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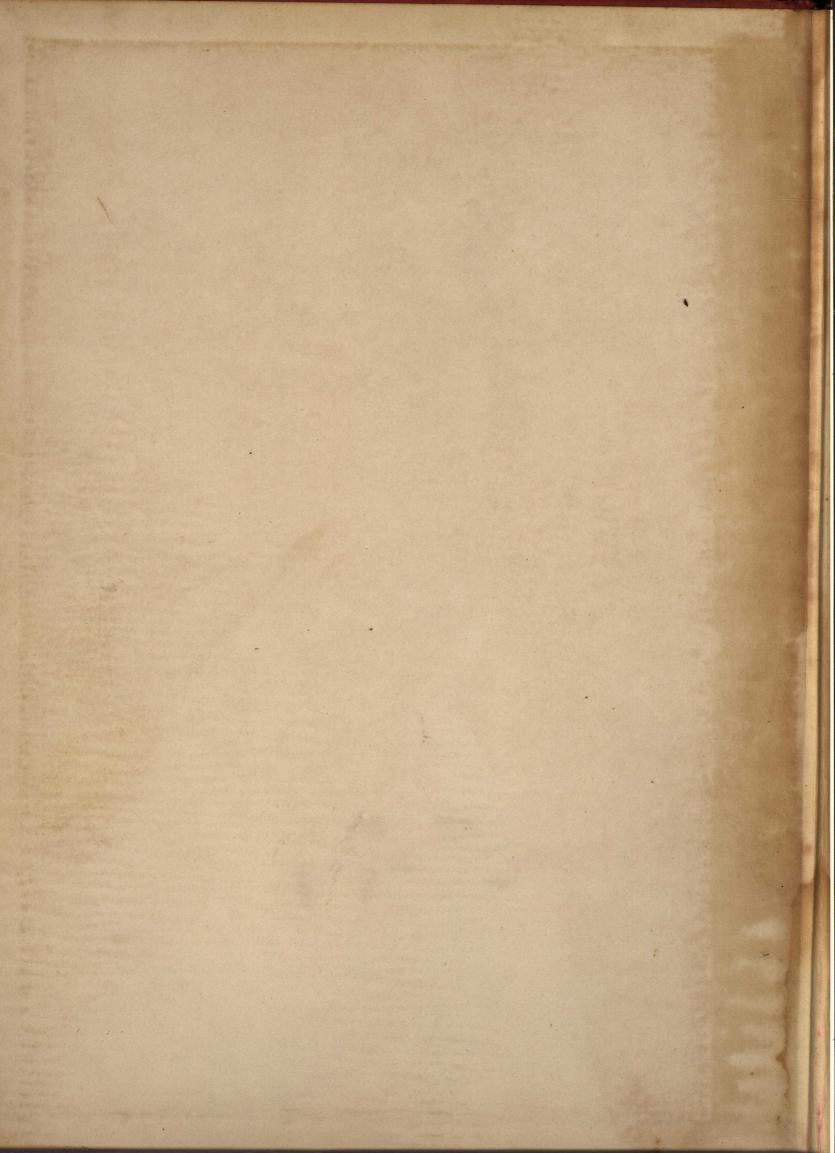


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# THE 1936 BOOK OF SMALL HOUSES

BY THE EDITORS OF

# THE ARCHITECTURAL FORUM



**NEW YORK** 

SIMON AND SCHUSTER, INC.

1936

# DEDICATED TO THE ART OF LIVING AND TO THE PROFESSION THAT HAS CONTRIBUTED MOST TO IT— ARCHITECTURE

-THE EDITORS OF THE ARCHITECTURAL FORUM

# HOW TO USE THIS BOOK...

This book is replete with a great variety of plans, specifications, cost data, and interior detail. The average prospective homebuilder will find it a constant source of reference and guidance throughout the course of his homebuilding program.

#### AN OUTLINE OF SOME OF THE USES OF THIS BOOK:

- 1. Before purchasing the lot: (SEE PAGE 16) Consult the check list of items to question. It will save you unpleasant surprises and money.
- 2. When deciding on style of architecture: A review of the examples shown in this book will save you hours of tiresome roaming over the countryside.
- 3. When planning the floor layout: To guide your architect properly and to save you time and money in the later correction and changing of plans, study carefully the infinite variety of floor layouts shown.
- 4. Specifications: At this stage, you will find yourself immersed in such perplexing problems as:

Shall we use wood, brick or stone?
Shall we heat with coal, gas, or oil?
What about air conditioning?
What about insulation?
... and myriad similar probelms.

A review of the construction outline (specifications) set forth in connection with each house pictured in this book will give you the information that you would get by calling personally on each of the 115 homeowners represented.

It is not to be inferred that these specifications carry any recommendation or endorsement. They are merely the list of products specified for the particular houses shown in this book. Specifications for any house can be properly determined only by your local architect.

- 5. Interior Detail: Numerous ideas for the handling of walls, and floors, and doors, and fixtures will reward those who review the selections made by the architect and home builders represented.
- **6. Interior Decoration:** Here again the matter of personal taste enters a great deal. You can get a host of suggestions as well as learn what you like and dislike by reviewing the hundreds of pictures of interiors in this volume.
- 7. Landscaping: How the finished house will look to you and your visitors will depend substantially on the proper placing of shrubs, trees and plants. Here again a review of the book will give you a basis for intelligently guiding your landscape architects or gardener.

NOTE: The figures given as costs refer to the house and include the architect's fee but in no case do they include the cost of land, landscaping or furnishing. It is of the utmost importance to note that there is a wide difference in the cost of the same house in different localities, sometimes even in neighboring towns. These costs, therefore, are relative and not the actual cost of the same house in your community. Consult your architect for local cost figures.

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# INTRODUCTION

Small houses for you, and you . . .

... And for thousands like you who want to build their own homes with complete understanding of every step and every expense involved. This book will not tell you how to build a mansion; but it will tell you how to go about building a small house. And it will tell you how to find out how much the house you want will cost—and why; how to choose a building site; how to design, plan, and finance your home.

Architectural and technological advances during recent years have completely changed the small house picture of 1936. The building professionals—architects, builders, mortgage-money lenders, manufacturers—all are prepared for a new boom in small house construction. Ready, too, are important banking laws and new agencies of government—particularly the Federal Housing Administration—to help the small-house builder finance the establishment of his long-hoped-for home.\*

The small house reveille of 1936 marks the end of building inactivity and the death of that long era when sound housing economics were ignored and people built without benefit of architect.

To meet this building revival, then, comes this book. Complete plans, costs and construction data, together with authoritative criticisms intended only to increase the value of the book as a reference manual, are here included to guide the beginner along the whole route—from hope to home.

And the pictures! They are attractive; but that is not the only reason they were chosen. Each was selected because, in the opinion of the editors, it presented some interesting or particularly useful treatment of plan, exterior design, or space economy. Hence each and all deserve as careful a study as the construction analyses, costs and criticisms.

When you build your home you will have to choose the real estate dealer best able to secure the property you need, the architect who can design the home which best fits your requirements, and the builder who can build the house your architect designs—exactly and economically. In this book special care has been taken to help you choose these three wisely. For upon them depend all the satisfaction and contentment you rightly expect in building and owning your own home.

Briefly then, this is the complete 1936 reference book on small houses-for you, and you!

<sup>\*</sup>No government agency loans money for private individual home building. The FHA, however, insures approved mortgages, thus facilitating financing.

# GETTING DOWN TO BUILDING

#### THE URGE TO BUILD

OF course you do not have to build. There are many well-designed and carefully constructed houses on the market, some of which may in a greater or less degree fulfill your particular requirements. But barring miracles, the only way you will get a house which is entirely suitable to all your needs and tastes is to build one. A readybuilt house can be thoroughly inspected and quickly purchased. In short, it will save you some time and trouble, but you will miss the creative pleasure of seeing a house emerge which is perfectly adapted to your requirements, and afterwards, the satisfaction that comes from living in a house in whose building you played an important part. And tastes, as well as needs, are changing today: new materials, new planning, new equipment make today's house vastly different from the house of five or ten years ago. Add to all this the feeling of permanence, stability, and security that comes from living in a house which is your own in a very special sense-and there you have the incentive to build.

#### SELECTING AN ARCHITECT

Your urge to build, unless guided by a capable architect, may well end in disaster. A builder, armed with your own plan sketches or clippings from a magazine, can put up a house, but it is not likely that you will be happy with the result. Few builders, if any, are equipped by training to handle the infinity of details that go into designing a successful house, nor is it likely that you will find one who has any grasp of even the elementary principles of good design. So before you build, before you plan, before, if possible, you purchase a site, select your architect. Architects, like other professional and business men, are good, bad, and indifferent. If you are in doubt about which to choose, get a list of all the architects in your locality, find out what they have done, how well pleased their clients are, and proceed to a selection in this manner. When the choice has narrowed down to a few, talk to them about your problem and be guided by your personal reactions. The relation between architect and client is a very personal one. Make sure there is no clash of personalities. Some people will prefer to select a man who has had a considerable amount of experience; others lean towards a younger man who may be more in sympathy with new ideas. In any event, in whatever way you select an architect, once you have made the decision, give him your full confidence and submit all of your ideas for his consideration. In no other manner can you take fullest advantage of his valuable services.

#### THE LOCALITY AND THE SITE

The progressive, well-kept, restricted community is the first place you think of when you attempt to determine just where you want to live. Fine residential suburbs mean additional living expenses and, if you work in a nearby city, higher transportation costs to and from your place of business. But the value of your property as an investment, the quality of your neighbors and the good schools and good companionship afforded your children may very likely make such additional living expenses worthwhile. Select the highest type of locality possible, but be sure you can afford it.

If you choose a neighborhood that is already settled, you will not be called upon later to share the expense of installing sewer, water, gas and electric ducts, or street pavement and sidewalks. Choose a neighborhood that is free of substandard homes, well protected against deteriorating influences, replete with tangible and intangible values. Only the socially and physically integrated community can provide that sense of being "established." And it is the best kind of community for growing children. As an investment, your property should continue to be worth its original cost, and may increase in value. Neighborhoods become more and more valuable as they develop, and property in a business section is relatively higher in value than residential property. Certainly you do not want your home in a future business districtunless you expect to be driven out at a profit; but you do want to be conveniently near the schools, churches and stores. Study the tide of development to avoid settling in a neighborhood of depreciating character.

When you have surveyed the locality you wish to live in, you will need a real estate dealer who is thoroughly familiar with the community, well-known and long-established. If you try to buy property directly from the owner, you will pay too much for it. Property owners have a habit of enlarging upon the value of their land when they think someone wants to buy it. And while it may be possible for them to fool you, they cannot fool the established real estate man who knows local property values.

You should never place a deposit on your homesite until you have looked at many pieces of property and have definitely decided which one suits you best. Weigh the values and advantages of one piece of property against those of the others you look at; consider the terrain—whether it is high or low, wet or dry—and bear in mind that it will cost more to excavate rock than it will soft soil, that it costs money to level or grade property, that trees may add several hundred dollars to the value of your lot, and that it is better to have too many trees than too few.

Have your architect look at the homesites you like best before you decide definitely which one you will buy. He can estimate the advantages and disadvantages of each, and his services as an adviser will prove invaluable.

The usual procedure in buying property is simple enough. A cash deposit (definite figures or percentages applicable everywhere are impossible) is required when you agree to buy. This is supplemented by a second installment when you take title, after you have had the title searched. Payments are made by agreement with your real estate man, who, incidentally, can assist you step by step in completing the transaction. And a clear title (free of all claims) is absolutely necessary if you expect to borrow building money on your property. Official ownership of the property is established when you have the deed recorded with the local county officials.

#### DESIGNING AND PLANNING

When you have the property, your architect can start work on the plans for your home. If you are building in a restricted area in which a specific type of house predominates, you may want your home styled and designed in keeping with the neighboring dwellings, but not to such an extent that it fails to meet fully the requirements of your family. A good architect can plan a house that will include all the features you need and still conform sufficiently to the other houses in your neighborhood. In unrestricted neighborhoods, the type of house may be determined completely by your own taste and preferences and how much you can afford to pay for it. It is a wise precaution to avoid style eccentricities and other features of doubtful acceptability in your locality in case you should ever need to sell or rent the house. There is plenty of room for individualtiy without marking your house forever as "Smith's Folly."

Not the least of the factors governing the plan of your home is your ability to pay for the particular kind of house you want. Houses are designed to meet the individual requirements of the client so far as possible, but every house becomes a compromise of requirements and dollars as planning progresses; and no client has ever approached an architect with full and complete understanding of just what he wants.

To get the home you want and can afford-or the nearest

possible approach to it—you must be ready to spend considerable time with your architect, summing up your preferences, your likes and dislikes, your financial limitations, and the needs and necessities of your family. Your architect then arranges the rooms, determines the heating, plumbing, and electrical systems you need, and provides whatever extra features your means warrant. The exterior of the 1936 house is never planned until a useful interior arrangement has been devised.

The esthetic factor in modern house design is important, but it is secondary to livability, economy and utility. In former times architects first plotted the exterior of the house, then jimmied the rooms into this shell as best they could. But the small house of 1936 is a different structure altogether, with its light, airy rooms designed to ease the pace of modern life.

Modern conveniences like thermostatic heat control, built-in showers, extra lavatories, efficiency kitchens and similar amenities can do much to make your home more livable and completely satisfactory. And yet these things cost relatively little, considering how greatly they enhance the value of your house as a home. Your architect can help you decide what extra conveniences you need and what part of the total cost of your home should be apportioned for these features.

#### THE IMPORTANCE OF THE ARCHITECT

Remember that the more carefully and thoroughly you plan with your architect, the better your home will be. Planning your home is far and away the most important step you have to take, and you should make it count for all time. Be sure there are no important omissions while your house is still "on paper," for you may not be able to add them satisfactorily, if at all, after the house is built. At best, any structural change will be considerably more expensive as an after-thought than as part of the original plant. Architects have to be mind-readers under any circumstances. You should make it as easy as possible for them to anticipate your particular wishes.

Frequently an architect can save enough on the cost of your house to pay his own fee. While no fixed sum can be set down as the architect's fee, it is generally ten per cent of the cost of your house, including all plans, specifications, designs (elevations), and supervision of construction.

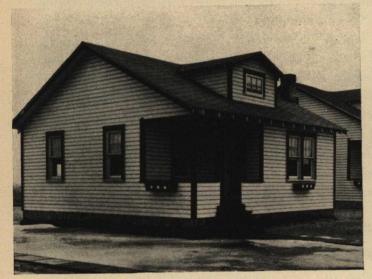
(See the illustrations on the next two pages)

# .. without benefit of Architect



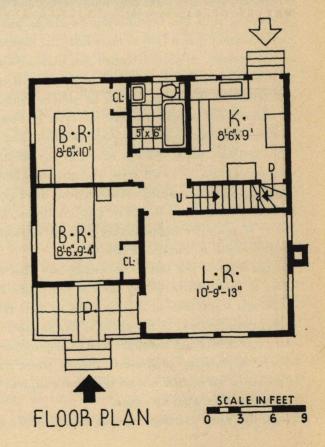


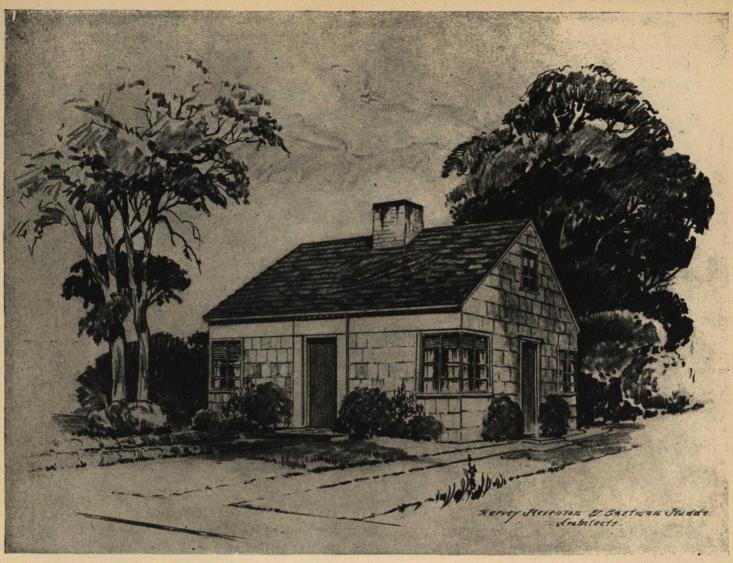
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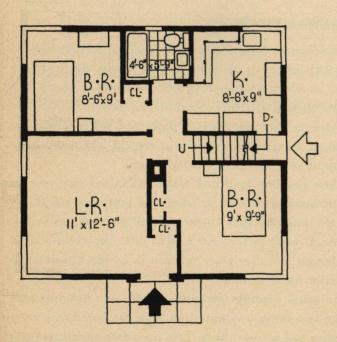


Even the smallest house can ill afford to be built without benefit of architect, a point sufficiently illustrated by this example, no better, no worse than thousands of its kind. With a small living room, two bedrooms, and a kitchen it comes close to the practical minimum for decent accommodation, yet one-third of America's families can afford nothing larger. There is no question about the immensity of the problem and no question about the inadequacy of the usual solution. The exterior of this house, viewed from any side, is not handsome: haphazard windows are accentuated by dark trim; a large dormer exists only as a meaningless protuberance, and the microscopic porch adds little to the amenities. These and other easily discoverable defects are perhaps minor: the house does provide shelter and its plan could be a great deal worse. The evil lies, not in this single example, but in the multiplication of this ugliness, in the building of whole developments whose original attractiveness and lack of planning result in the blighted quarters that no U.S. city has escaped.





HARVEY STEVENSON AND EASTMAN STUDDS, ARCHITECTS



FLOOR PLAN

This study is one architect's solution, equal in size and accommodations to the house on the opposite page. While the landscaping gives it a certain initial advantage, a few trees and shrubs are not too much to hope for, and the house itself, still in the minimum class, is one in which self-respecting, intelligent people could live. Obviously corner windows and a center chimney are not the only answer: an equally successful design could have been produced with the elements of the contractor-designed dwelling; the superiority of this solution lies in its acceptance of the fact that simplicity and good proportions are the two indispensables in small house design, without which only caricature can result. The plan likewise shows improvement: the side entrance opens on the stair hall, leaving more work space in the kitchen, closets are placed so that they do not break up the rooms, the unsightly, inadequate porch has been eliminated, and walls allow better arrangement of furniture. Good planning and design do not raise house costs, do, more often, produce savings.

#### **BUILDING YOUR HOME**

When you have plans and specifications in hand, you are ready to deal with a building contractor. The plans are blueprints indicating the exact dimensions of every part of your house, and the specifications are typewritten instructions to the builder telling what materials and equipment are to be used, and how they are to be installed. On the basis of these plans and specifications bids are submitted.

It is not necessary to have a general contractor. You may let out the work to the different sub-contractors yourself, but it requires considerable time and experience to do this. Since the almost invariable procedure is to let the contract to a general contractor, it will be assumed here that this is the arrangement you will make.

If you have not already decided upon a builder, your architect will obtain bids from several. These should be considered from every angle before the contract is awarded. The lowest bidder should not be accepted for that reason; but the lowest bidder with the best reputation for doing a good job is the man you want to build your home. If you accept the low bid of an unreliable contractor, you will pay more for your home in the end, for he may fall down in the middle of the job or skimp in the basic construction of the dwelling.

Your contract with the builder will provide for a method of payment. There are in common use:

- 1. Lump sum contract: A fixed sum for the entire building job. This covers materials, labor and contractor's profit.
- 2. Cost plus percentage: Cost of materials and labor, plus a pre-determined percentage of the total cost as the contractor's profit.
- 3. Cost plus fixed fee: Cost of materials and labor, plus a fixed sum mutually agreed upon beforehand.

The "lump sum" method is the most popular method since it offers the most definite figure and leaves less possibility for repeated upward revision as construction progresses. It is desirable to keep an accurate record of all payments, cost, etc., during construction. Many States have laws allowing mechanics or materials men, who have not been paid for their services, to file a "mechanic's lien" against the property under improvement. Such a lien prevents sale of the property until the obligation has been satisfied and the owner's title is again cleared. Therefore, it is important that you make sure your contractor pays all sub-contractors fully and promptly.

Before building operations begin, you usually obtain a building permit from the local authorities. In some localities where there is no building code, this will not be necessary. But wherever it is necessary your architect or contractor can secure the permit for you.

#### A WORD ABOUT MAINTENANCE

The most economical house, in the long run, is that which costs least to live in. The cost of occupancy includes all operating expenses for fuel, light, gas, maintenance and repair. Your house, like every other house, will depreciate somewhat with the passing of years. But the rate at which it depreciates depends largely upon the quality and worth of the materials used in constructing it.

It is false economy to use inferior materials. They apparently serve their purpose well for awhile; but presently your walls develop cracks, your water becomes rusty, and pipes begin to leak. The result is not mere replacement of plaster and pipe. Flooring must be taken up and walls must be torn out to reach the rusted pipe; and after new rustless pipe has been installed, plaster replaced and painted, and new flooring put in, you discover that repairs have cost you several times the sum you would have paid if you had bought the best materials in the first place. This experience, repeated in many disagreeable forms, is the penalty of pinching quality. The cost difference between the right product and the wrong product is never enough to justify the use of the latter.

Every home-owner faces the periodic problem of maintaining the original value of his house investment. Repainting and redecorating every few years keep your house proof against time and weather depreciation and is real economy in the long run.

#### FINANCING YOUR HOME

There are no definite rules governing the relation of your annual income to the cost of your home. But certainly you should not attempt to build a home so costly that more than one-fourth of your annual income will be consumed in meeting interest payments, maintenance expenses, amortization of your mortgage and taxes; one-fifth of your income is a safer figure.

When you buy land and make the initial payment on your house, it is well to limit your mortgage obligation at the outset by applying as much of your savings as possible. If you pay for your land in full, you secure a clear title to it and thus place yourself in an ideal position to borrow building money.

The usual lending institutions today are building and loan associations, national and State banks and trust companies and savings banks. Life insurance companies also make home loans, through representatives appointed locally. It will pay you to consider very carefully the costs of borrowing funds from different types of institutions, as interest rates vary greatly and special charges lurk where they are sometimes unexpected.

No Government agency lends money directly to home builders; but there are two important Government agencies facilitating building loans by private institutions. These are the Federal Housing Administration and the Federal Home Loan Bank System. The Federal Housing Administration insures mortgages handled by institutions approved by the Federal Housing Administrator, providing such mortgages contain provisions for monthly payments to repay the loan in not more than twenty years. This agency will insure only first mortgages, at a maximum of 80 per cent of the value of house and lot, but not exceeding \$16,000. The FHA does not insure mortgages made by private individuals. The Federal Home Loan Bank System serves only as a credit reservoir for private home-financing institutions. Through its twelve regional Home Loan Banks, the Federal Home Loan Bank System makes available to its 3,500 member institutions ample credit, at low cost, for making loans to home owners.

To reduce financing to its simplest form and to eliminate the irritating extra fees which home builders sometimes fail to anticipate, the FHA requires that taxes, fire insurance, interest and other fees be computed as a lump sum before the financing institution makes its loan. This sum is then broken down into equal parts, and added to the monthly payments against the loans. Literature explaining the advantages of the FHA plan may be had free of charge upon application to the Federal Housing Administration, Washington, D. C.

Where this system has been adopted, the job of home financing has been greatly simplified. Everywhere a desire on the part of the institutions to invest idle funds profitably has made mortgage money plentiful and comparatively cheap. If you are ready to take advantage of this ideal situation by building your home now, your banker, building and loan or real estate man is ready to provide you with funds in a manner and at a cost more satisfactory to the home builder than ever before in history.

#### THE COST OF BUYING HOMES, PRICED FROM \$5,000 TO \$20,000, BY THE FHA PLAN

	Assuming 80% Loan		MONTHLY PAYMENT REQUIRED																		
Cost	Cash Re- quired for Equity	Amount of Mort-gage	Under 10-Year Plan						Under 15-Year Plan						Under 20-Year Plan*						
House and Lot			Install- ment incl. in- terest at 5%	Service Charge	FHA Insur- ance	Taxes†	Fire Insur- ance‡	Total		Service Charge	FHA Insur- ance	Taxes†	Fire Insur- ance‡	Total	Install- ment incl. in- terest at 5%	Service Charge	FHA incl. in-	Taxes†	Fire Insur- ance‡	Total	
\$5,000	\$1,000	\$4,000	\$42.49	\$1.60	\$1.67	\$8.33	\$0.52	\$54.56	\$31.64	\$1.64	\$1.67	\$8.33	\$0.52	\$43.80	\$26.40	\$1.64	\$1.67	\$8.33	\$0.52	\$38.56	
7,500	1,500	6,000	63.66	2.40	2.50	12.50	.78	81.84	47.46	2.46	2.50	12.50	.78	65.70	39.60	2.46	2.50	12.50	.78	57.84	
10,000	2,000	8,000	84.88	3.20	3.32	16.66	1.04	109.10	63.28	3.28	3.32	16.66	1.04	87.58	52.80	3.28	3.32	16.66	1.04	77.10	
12,500	2,500	10,000	106.10	4.00	4.17	20.83	1.30	136.40	79.10	4.10	4.17	20.83	1.30	109.50	66.00	4.10	4.17	20.83	1.30	96.40	
15,000	3,000	12,000	127.32	4.80	5.00	25.00	1.56	163.68	94.92	4.92	5.00	25.00	1.56	131.40	79.20	4.92	5.00	25.00	1.56	115.68	
17,500	3,500	14,000	148.54	5.60	5.83	29.16	1.82	190.95	110.74	5.54	5.83	29.16	1.82	153.09	92.40	5.54	5.83	29.16	1.82	134.75	
20,000	4,000	16,000	169.76	6.40	6.64	33.32	2.08	218.20	126.56	6.56	6.64	33.32	2.08	175.16	105.60	6.56	6.64	33.32	2.08	199.20	

†Assumed at 2% of actual appraised value annually. ‡Assumed at ½ of .5% of assumed value at 75% of total cost of house and lot.

NOTE: These figures should be checked locally as they are subject to change.

# 85 HOUSES IN TABULAR SURVEY

The 85 houses\* in the tabulation below may be taken as representative of architect-designed dwellings of \$5,000 and under. They were built in all sections of the country, and for convenience of comparison are grouped by States and regions. An examination of the tabulation brings to light these interesting facts, most surprising of which is that in these examples there is no appreciable variation in construction costs between different sections of the country. The average cubic foot cost in Northern States, for example, is 23.1 cents; in the South the cost is 22.7 cents. North and South show marked differences in some respects, however. The one-story house is most common in the South and Southwest, and these regions seem to prefer galvanized iron flashing to copper. For heating, of course, a much less elaborate plant is required in the South. The inexpensive warm air heating system was the most widely used. Insulation is fairly common, particularly in the North, although by no means universal. Plaster is the most common interior finish, even in bathrooms, tile and wallboard being used to some extent. In spite of the appearance of numerous new structural systems, almost all of these houses are built with wood frames; if and when other types of structure are used for the house below \$5,000 it will probably only be after wide use in the higher price brackets makes cheap production methods feasible.

<sup>\*</sup>The numbers do not correspond with numbers of houses shown in this volume.

LOCATION	COST
State of the Control	

1	CITY	STATE	TOTAL								
1	The second secon		TOTAL	STRUCT.	PLUMB.	HEAT.	ELEC.	CUBAGE	CU. FT.	FLOOR AREA	SQ. FT.
7	CAPE ELIZABETH	ME.	\$5,000	\$4,050	\$370	\$370	\$210	20,500	\$.24	1838	00.00
2	AUBURN	ME.	5,000	4,150	350	350	150	20,000	.25	1600	\$2.72
3	E. HARTFORD	CONN.	4,975	4,000	350	450	175	20,000	.25		3.12
4	ROCKY HILL	CONN.	4,620	3,537	375	575	133	21,532		1462	3.40
5	TAPPAN	N. Y.	4,500					15,000	.21	1100	4.20
6	HEMPSTEAD	N. Y.	3,200	2,400	365	275	60	15,525	.30	1316	3.42
7	GRINDSTONE IS.	N. Y.	2,222	1,959		263			.21	1230	2.60
8	FOREST HILLS	N. Y.	4,900					6,827	.33	601.5	3.69
9	E. GREENBUSH	N. Y.	4,030	3,468	227	215	100	20,250	.24	1796	2.73
10	PINES LAKE	N. J.	2,000	1,765	200	215	120	15,200	.26	1354	2.97
11	HARVEY CEDARS	N. J.	3,600	2,975	300		35	11,800	.17	695	2.88
12	CONVENT	N. J.	4,400	3,200	460		125	17,000	.21	1700	2.12
13	SHREWSBURY	N. J.	4,090	0,200	400	600	140	20,430	.22	1900	2.31
14	LAKE MOHAWK	N. J.	4,225	3,300	000			23,208	.18	1411	2.90
15	LAKE MOHAWK	N. J.	3,900	3,100	320	450	155	15,590	.27	1272	3.32
16	LAKE MOHAWK	N. J.	5,000		285	420	105	12,420	.31	1130	3.45
	NEW HOPE	PENN.	2,420	4,055	355	480	110	19,500	.26	1545	3.23
18	KANAWHA CITY	W. VA.	4,710	4 000				11,961	.20	800	3.02
	TROY	0.		4,059	445		216	14,855	.32	1380	3.41
20	PAINESVILLE	0.	3,300	2,900	200	200		11,700	.28	936	3.52
	OXFORD	0.	4,580	3,490	390	475	225	14,300	.32		
	LANCASTER	0.	4,975					19,687	.25	1820	2.70
	CINCINNATI		3,115	2,319	291	135	100	16,500	.19	1369	2.27
	TOLEDO	0.	4,687					20,450	.23		La Salve
	ARTHUR	0.	4,990	3,600	490	700	200	21,616	.23	2128	2.34
		ILL.	5,000	3,466	533	510	510	26,400	.19	2352	2.13
	BLOOMINGTON	ILL.	4,951	4,212	347	240	151			1589	3.12
	FARM CITY	ILL.	4,185	3,500	350	250	85	27,000	.16	1471	2.84
	LAPEER	MICH.	1,750	1,515		160	75	15,060	.12	1060	1.65
	LANSING	MICH.	4,706			200		18,048	.26	1460	3.20
	ST. MARY'S LAKE	MICH.	4,310	3,149	355	165	210	18,270	.24	1500	
	SHORE ACRES	WISC.	4,910	3,500	650	550	210	21,000	.23	1370	2.90
	WISCONSIN RAPIDS	WISC.	3,800	2,900	400	300	200	18,000	.21	1440	3.60
	WISCONSIN RAPIDS	WISC.	4,157	3,100	635	242	180	18,000	.23	1200	2.64
	GRANVILLE	WISC.	4,980					26,000	.19		3.46
35 E	BARREN	WISC.	4,400	2,870	420	805	150	15,000	.19	1935	2.60 3.55

TOTAL COST includes architect's fee but does not include land or landscaping.

STRUCTURE COST is total cost less cost for plumbing, heating and electrical work.

PLUMBING COST includes kitchen, laundry, and bathroom equipment.

ELECTRICAL COST includes wiring and lighting fixtures.

CUBAGE is as stated by architects.

FLOOR AREA is figured as follows:

Calculated in full: the finished and livable floor area above the basement, including enclosed porches and built-in garages.

Calculated as one-half actual area: finished recreation rooms or other quarters in basement, semi-finished areas of attics, open porches. Measurements are to outside of exterior walls or enclosing partitions.

#### LEGEND

A. Cd.
Alc.
Asb. Sh.
Asp. Sh.
Bk.
Bk. Vr.
Bkt.-up
Brk. Rm.
C.
Can.
Cin. Bl.
Conc.
Conc.
El. Un.
Fld. St.
Fpl.
G. I.
G. Un.
H. W.
Heat. Rm.
I.

Air Conditioning
Dining Alcove
Asbestos Shingle
Asphalt Shingle
Basement
Brick
Brick Veneer
Built-Up Roofing
Breakfast Room
Car
Canvas
Cinder Block
Concrete
Concrete Blocks
Copper
Electric Unit Heaters
Field Stone
Fireplace
Galvanized Iron
Gas Unit Heaters
Hot Water
Heater Room
Iron

	WALL		UCTIO	ISH BATH HEAT			NU	MBE	PLAN				AREA SQ. FT.				
FINISH	INSUL.	INT. FINISH	FINISH	INSUL.	FLASH.	FLOOR	WALL		STOR.	NO. RMS.	NO. BATHS	GAR.	BED RMS.	DIN.		Service of the servic	DIN.
Wd.	Ins. L.	PI.	Asp. Sh.		G. I.	Lin.	PI.	Stm.	2B	5	1	10	2	Van	Game R.		
Wd.	Quilt	PI.	Asp. Sh.	Quilt	G. I.	Rubb.	PI.	W. A.	2	6	ī		3	Yes	Game K	190	
Wd.	Refl.	PI.	Wd. Sh.	Rk. WI.	Cop.	TI.	TI.	H. W.	2B	7	11%	10	2	Yes		276	
Wd.	Ins. L.	PI.	Wd. Sh.	Refl.	Tin	Lin.	PI.	H. W.	1B	4	1		2	165	Pty.		
Cin. BI.		Pl. Pt.	Asp. Sh.	Rk. WI.	Cop.	Lin.	Pl. Pt.	Stm.	2	5	1	10	3	No	Pty.	275	
Wd.		PI.	Wd. Sh.		Cop.	TI.	TI.	A. Cd.	2B	6	i		3	Yes			
Wd		Wd.	Wd.		Cop.	Wood	Wd.	Fpl.	1	3	i	••••	1			300	
Stucco		PI.	Prep. R.	Rk. WI.	Cop.	Wood	PI.	Stm.	18	6	11/2	10	3	No		289	
Wd.	Refl.	PI.	Asp. Sh.	Refl.	Cop.	TI.	PI.	W. A.	2B	6	1	10	3	Alc.		322	
Logs		Logs	Asp. Sh.		Cop.	Lin.	Wd.		1	4	i	10	2	Yes		198	
Wd.	Ins. Bd.	Ins. Bd.	Can.	Ins. Bd.	Cop.	Lin.	WI. Bd.		21/2	6	1	10	3	Alc.		140	
WI. Bd.	Ins. Bd.	Ins. Bd.	Prep. R.			Conc.	WI. Bd.	Stm.	1B	6	1	10	3			345	80
Wd.		PI.	Asp. Sh.		Cop.	Lin.	TI.	H. W.	2B	6	1	10	3	Yes	Ldy.	361	180
Wd.	Rk. WI.	Pl. Bd.	Wd. Sh.	Rk. WI.	Cop.	Wd.	TI. Bd.		2B	5	1	10	3	Yes		204	95
Wd.	Rk. WI.	Pl. Bd.	Wd.	Rk. WI.	Cop.	Lin.	TI. Bd.	A. Cd.	11/2	5	1		3	No		336	
Cin. Bl.		PI.	Wd. Sh.	Rk. WI.	Cop.	Wd.	PI.	A. Cd.	2	6	1	10		No		217	186.3
Wd.	Quilt&I.L.	PI.	Wd. Sh.	Quilt & I. B.	Zinc	Lin.	PI.	W. A.	1	4	1	10	3	Yes		242	100
Wd.		PI.	Wd. Sh.	Rk. WI.	Tin	TI.	PI.		2	5			1	Yes		365	72
Steel	Rk. WI.	Sti.	Stl.	Rk. WI.	Stl.	Lin.	Stl.	W. A.	1	4	1	10	2	Yes		265	70
Cin. Bl.		PI.	Asp. Sh.	Ins. Bd.	Tin	Lin.	PI.	W. A.	2	5	1			Alc.		265	80
Vd.	Quilt	PI.	Wd. Sh.	Quilt	Tin	Lin.	PI.	W. A.	2 2B		1	10		Alc.	Ldy.	220	90
Vd.		PI.	Asp. Sh.		Tin		PI.	W. A.	2B	6	1	10	3		Sty., Ldy.	295	
Vd. & St.		PI.	Wd. Sh.		G. I.		PI.	W. A.	2B 1B	5	1		2	No	Ldy.	250	144
k.&Stuc.	Ins. Bd.	WI. Bd.	BltUp	Ins. Bd	G. I.		WI. Bd.	A. Cd.	A STATE OF THE STA	5	1	10		Yes	Ldy.	225	100
Vd.	Rk. WI.	PI.	Asb. Sh.	Rk. WI.	Cop.		PI.	W. A.	2	41/2	11/2	10	2	No		320	
k. Vr.	Rk. WI.	PI.	Asp. Sh.	Rk. WI.	G. I.		PI.	W. A.	2B	8	21/2	••••		Yes		285	175
Vd.	Refl.	PI.	Wd. Sh.	Refl.	Tin		PI.	W. A.	1B	6	1	10		Yes	1.	250	110
Vd.	Ins. Bd.	WI. Bd.	Asp. Sh.	Ins. Bd	G. I.		WI. Bd.	W. A.	2B	5	1	••••		Yes		300	70
Vd.		PI.	Wd. Sh.	ms. bu	G. I.		PI.	W. A.	2B	6	1	10		No		218	
sp. Sh.	Ins. L.	PI.	Asb. Sh.	Fill			PI.		2B	5		10		Yes	Ldy.	209	110
tone	Ins. Bd.	PI.	Asb. Sh.	Refl. & I. Bo	G. I.			W. A.		41/2		10		Yes		245	100
	Refl. & I. B.	PI.	Asb. Sh.	Refl. & I. Bd			PI.	W. A.	1B	4		10		No		325	
	Ins. Bd.							W. A.		6			3 '	/es	Ldy.	299	140
	Rk. WI.	PI.	Asp. Sh. Wd. Sh.	Ins. Bd. Rk. WI.	G. I.		PI.	W. A.		4			2 /	Alc.		209	60
	Fill		wu. on.	nk. WI.	G. I.	TI.	PI.	W. A.	2B	5	1	1C	2 '	Yes		192	150

# 85 HOUSES IN TABULAR SURVEY

LOCATION

COST

	CITY	STATE	TOTAL	STRUCT.	PLUMB.	HEÁT.	ELEC.	CUBAGE	CU. FT. COST	FLOOR AREA	SQ. FT. COST
36	ознкозн	WISC.	2,950			274		10,250	.29	780	3.80
37	MADISON	wisc.	4,100				75			1213	3.38
38	RICHLAND CENTER	wisc.	4,500					20,500	.22	1820	2.47
39	MADISON	WISC.	4,900							1651	2.96
40	MINNEAPOLIS	MINN.	4,150	3,092	365	348	150	16,000	.26	1390	2.98
41	TOPEKA	KAN.	3,830	2,680	350	450	150	16,151	.23	1314	2.93
42	UNIVERSITY CITY	MO.	4,850					16,300	.30	1561	3.11
43	FESTUS	MO.	4,230					23,850	.18	1328	3.19
44	GLASGOW	MO.	4,750	3,505	495	450	150	22,000	.22	1383	3.43
45	LITTLE ROCK	ARK.	4,800	4,280	270	70	180	23,772	.20	1317	3.65
46	LOUISVILLE	KY.	4,750	3,950	375	330	95	22,200	.21	2173	2.18
47	STARKVILLE	MISS.	4,960	3,900				35,818	.14	2169	2.26
48	STARKVILLE	MISS.	3,968	3,480	257	88	143	31,623	.13	1800	2.20
49	NASHVILLE	TENN.	4,650	4,002	358	175	115	26,500	.18	1416	3.28
50	NASHVILLE	TENN.	4,850	4,130	400	200	120	22,000	.22	2198	2.21
51	BALTIMORE	MD.	4,000					15,870	.25	946	4.23
52	BALTIMORE	MD.	4,950						.22	1513	3.27
53	SILVER SPRINGS	MD.	3,700	2,980	165	385	130	16,300	.23	950	3.90
54	CHARLOTTESVILLE	VA.	3,503	2,753	211	327	61	8,906	.39	785	4.45
55	CHARLOTTESVILLE	VA.	4,955	4,034	225	627	69	14,637	.34	1339	3.70
56	CHARLOTTESVILLE	VA.	4,875	3,789	485	475	126	17,008	.29	1580	3.10
57	BELLE HAVEN	VA.	4,970	3,385	500	795	120	19,150	.26	1650	3.00
58	HIGH PT.	N. C.	4,960	3,400	550	450	190	42,000	.12	2506	1.98
59	WINSTON-SALEM	N. C.	4,144	3,120	389	270	125	19,388	.21	1253	3.29
60	RALEIGH	N. C.	4,802	3,827	383	450	142	19,460	.25	1628	2.95
61	TAMPA	FLA.	3,700					11,115	.33	1084	3.40
62	WINTER PK.	FLA.	5,000	3,615	710	565	110	23,780	.21	2084	2.39
63	GAINESVILLE	FLA.	3,600		480		80	20,707	.18	1304	2.76
64	COCONUT GROVE	FLA.	3,200	2,650	225		125	15,800	.20	1314	2.44
65	COCONUT GROVE	FLA.	4,900	3,852	550		138	17,000	.29	1530	3.20
66	COCONUT GROVE	FLA.	5,000	3,850	508		250	19,600	.25	1302	3.84
67	COCONUT GROVE	FLA.	4,150	3,170	449		160	18,500	.22	1238	3.35
68	COVINGTON	LA.	3,800					31,950	.12	1900	2.00
69	COLLEGE STA.	TEX.	2,700	2,331	362		107	15,850	.17	1263	2.14
70	SAN ANTONIO	TEX.	4,340	3,840	350		150	12,600	.34	1919	2.26
71	DALLAS	TEX.	4,500	3,890	350	80	180	22,500	.20	1316	3.42
72	AUSTIN	TEX.	4,200	3,696	350		154	16,590	.25	1293	3.24
73	AUSTIN	TEX.	4,960	4,127	659	20	153	22,862	.22	1578	3.15
74	BEAUMONT	TEX.	4,800							2570	1.87
75	BEVERLY HILLS	CAL.	4,550	0.705	450	105	100	15,180	.30	1571	2.89
76	LOS ANGELES	CAL.	4,400	3,725	450	125	100	23,055	.19	1903	2.31
77	BERKELEY	CAL.	3,800	3,215	406	74	105	19,476	.19	1913	1.99
78	HOLLYWOOD	CAL.	5,000	3,750	435	378	494	20,195	.25	2894	1.73
79	SAN MARINO PULLMAN	WASH.	5,000 4,877	4,214 3,898	437	182	167	20,632	.25	1550	3.23
80					536	285	158	27,700	.18	1869	2.61
81	YAKIMA SUMNER	WASH.	4,000 4,825	3,335 3,625	250	290	125	26,000	.15	1982	2.02
82	VANCOUVER	WASH.	3,475	2,411	275	700	225	24,000	.20	2282	2.13
83	LAKE SERENE	WASH.	3,400	2,711	330	303	219	22,770	.15	1220	2.84
85	HELENA	MONT.	4,200	3,275	425	350	150	22,700 12,122	.15	1359	2.50
1 00	DATE OF THE PARTY		1,200	2,270	120	555	130	12,122	.34	980	4.30
			\$	%	%	%	%	cu.ft.	\$	sq.ft.	\$
AVF	RAGES		4270	79.1	9.2	8.2	3.5	18.575	.23	1448	2.95
			1210	1011	UIZ	UIZ	010	101010	120	1740	2100

l s		COI	NSTR		N AND	FI		ATH	HEAT	NUI	N B E	R	P	LA	N		AR SQ.	E A FT.
	EXT. FINISH	INSUL.	INT. FINISH	FINISH	INSUL. I	LASH.	FLOOR	WALL		STOR.	NO. RMS.	NO. BATHS	GAR.	BED RMS.	DIN. RM.	OTHER ROOMS	LIV.	DIN.
36	Wd.	The see M	PI.	Wd. Sh.	Ins. Bd.	G. I.	Lin.	PI.	W. A.	2B	4	1		2	Alc.		170	35
37	Conc. Bl.		PI.	BltUp	Ins. Bd.	G. I.	TI.	PI.	W. A.	11/2B	5	1	2C	3	No		150	
38	Wd.		PI.	BltUp	Rk. WI.	G. 1.	TI.	PI.	W. A.	2	5	1	10	2	No		290	
39	Wd.		WI. Bd.	BltUp	Rk. WI.	G. 1.	Lin.	WI. Bd.	W. A.	2	5	1	10	2	No		375	
40	Wd.	Quilt & I. L	PI.	Wd. Sh.	Quilt & I. L.	Cop.	Lin.	PI.	W. A.	2B	5	1		2	Yes	Ldy.	216	120
41	Stuc.		PI.	Wd. Sh.	Rk. WI.	Tin	Lin.	Lin.	A. Cd.	1B	4	1		2	No	Ldy.	375	
42	Bk.		PI.	Asp. Sh.	Rk. WI.	Cop.	TI.	TI.	W. A.	2B	5	1		2	Yes		200	120
44	Bk.		PI.	Asp. Sh.		l.	TI.	PI.	W. A.	1B	4	1		2	Alc.		208	88
45	Wd.		PI.	Asp. Sh.	Rk. WI.	G. I.	TI.	TI.	A. Cd.	1B	4	1	10	1	No	Brk. Rm.	420	
46	Bk. Vr.	Ins. Bd.	PI.	Asp. Sh.	Ins. Bd.	G. I.	TI.	TI.	G. Un.	1	7	1	••••	2	Yes		270	169
47	Bk. Vr.		PI.	Asp. Sh.	Ins. Bd.	G. I.	TI.	TI.	Stm.	2B	61/2	1		3	Yes	Brk. Rm.	273	153
48	Wd.		Wd.	Asp. Sh.		G. I.	TI.	TI.	G. Un.	1	7	2		21/2	Yes	Brk. Rm.	336	216
49	Bk. Vr.		Can.	Asp. Sh.		G. I.	Lin.	Can.	G. Un.	1	6	2		3	Yes	Brk. Rm.	322	193
50	Wd.		PI.	Asp. Sh.		Tin	TI.	TI.	W. A.	18	6	1		2	Yes	Brk. Rm.	265	162
51	Wd. & Bk.		PI.	Asp. Sh.	Rk. WI.	Tin	Lin.	Lin.	H. W.	2	6	2	10	3	Yes		308	189
52	Wd.		PI.	Slate	Rk. WI.	Cop.	TI.	TI.	H. W.	2B	5	1		2	Yes		200	150
53	Wd.		PI.	Asp. Sh.	Rk. WI.	Tin	TI.	Wtp. P.	H. W.	2B	5	1_	10	2	Yes		240	150
54	Wd.	Ins. L.	PI.	Asp. Sh.		G. I.	TI.	PI.	H. W.	2	51/2	1		2	Yes		200	110
55	Wd.	Ins. L.	PI.	Asp. Sh.		l.	Lin.	Cem.	H. W.	1	3	1		1	No	Heat.Rm.	270	
56	Fld. St.		PI.	Slate	Rk. WI.	1.	Lin.	Cem.	H. W.	1	51/2	1		2	Yes	Heat.Rm.	261	152
57	Fld. St.	Rk. WI.	PI.	Slate	Rk. WI.	Tin	Lin.	Lin.	H. W.	2	5	1	2C	2	Yes	Pty.	270	120
58	Bk. Vr.	Zen en	WI. Bd.	Asp. Sh.	Ins. Bd.	Cop.		Wtp. P.	H. W.	2B	5	1	10	2	Yes		264	143
59	Wd.		PI.	Asp. Sh.	ins. bu.	G. I.		WI. Bd.	W. A.	2	6	1	2C	3	Yes		285	180
60	Wd.		PI.	Asp. Sh.		G. I.		TI. Bd.	W. A.	1B	6	2		3	Yes		260	63
61	Bk.		Wd.	G. I.		G. I.		Cem. Tl. Bd.	H. W.	2B	61/2	1	10	2		Brk. Rm.	240	121
62	Wd.		PI.	Asb. Sh.	Rk. WI.	Cop.		PI.	W. A.	1	4	1	10	2	No		280	
63	Bk. Vr.		PI.	Asp. Sh.		Cop.		Cem.	G. Un.	2B 1	6	2	10	3	Yes		315	140
64	Wd.		Wd.	Wd. Sh.	Ins. Bd.	Cop.		WI. Bd.		1	5	1		3	Yes	# # w #	266	168
65	Wd.		PI.	Wd. Sh.	Ins. Bd.	Cop.		PI.		2	51/2	1		3	No		286	
66	Wd.		PI.	Wd. Sh.		Cop.	Lin.	PI.		1	6	2	10	2	Yes		315	88
67	Wd.		Wd.	Wd. Sh.		Cop.	TI.	PI.		1	5	2	••••	3	Yes		320	110
68	Wd.		PI.	Asp. Sh.		G. I.	Lin.	PI.	G. Un.	1	5	21/2	10	2	No	Late	240	0.7
69	Wd.		Wd.	Wd. Sh.		G. I.	Lin.	WI. Bd.		1	5	1	10	2	Alc. Yes	Ldy.	405 216	85 125
70	Bk.		PI.	Tile	Fill	G. I.	TI.	PI.		1	5	1	20	2		Brk. Rm.		180
71	Bk. Vr.		WI. Bd.	Wd. Sh.	Ins. Bd.	G. I.	TI.	TI.	G. Un.	1	6	1				Brk. Rm.		161
72	Bk.		Can.	Wd. Sh.		G. I.	TI.	Cem.	G. Un.	1	6	1			Alc.		227	110
73	Br. Vr.		Can.	Wd. Sh.		G. I.	TI.	Cem.	G. Un.	1	6	2	10	3	Yes		266	168
74	Wd.		Can.	Wd. Sh.				WI. Bd.	G. Un.	1	6	2		3		Brk. Rm.		210
76	Wd.		PI,	Wd. Sh.		G. I.	TI.	PI.	El. Un.	1	6	2		3	No	Ldy.	512	
	Wd.		PI.	Wd. Sh.		G. I.	TI.	TI.	26	1	5	2	2C	2	Yes		392	100
77	Wd.	1	Ply Wd.	BltUp		G. 1.	Wd.	Ply Wd.		2	5	11/2	10	2	No		222	
79	Stucco	Ins. Bd.	PI.	BltUp	Ins. Bd.	G. I.		AND PRINCIPLE	El. Un.	3	6	2	2C	3	Yes	Ldy.		195
80	Wd.	Ins. Bd.	PI.	Wd. Sh.			TI.	Wtp. P.	W. A.	1	4	1	10		Alc.			110
81	Wd.		PI.	Wd. Sh.	Fill			CONTRACTOR OF THE PARTY OF THE	W. A.	2B	5	1	10	1		Brk. Ldy.		
82	Wd.	Ine Bd	PI.	Wd. Sh.		G. I.	Lin. I		W. A.	2B	51/2	2				Play Rm.		
83	Wd.	Ins. Bd.	PI.	Wd. Sh.				PI.	A. Cd.	2	6	11/2	10			Ht.,Ldy.	322	132
84	Wd.		PI.	Wd. Sh.		G. I.			W. A.	18	5	1	10	2	Yes	Ldy.		145
85				Wd. Sh.		G. I.			W. A.	1	5	1	10	2	Yes		260	70
				Wd. Sh.	Fill		Lin. F	PI.	W. A.	1	5	1	••••	2	No P	I.Rm.,St.	143	

# A BRIEF CHECK LIST OF QUESTIONS

#### TO ASK YOURSELF BEFORE BUILDING A HOME

#### **About the Neighborhood**

Has my architect approved my choice of site?

Is the neighborhood appropriate for my means?

Are stores convenient?

Is the school convenient?

Is the church convenient?

Are parks and playgrounds convenient?

Are there facilities for the sports and recreation I am interested in?

How far removed is the railroad station?

Are buses or trolleys near at hand? How often do they run? What is the fare?

Is police protection adequate?

Is the firehouse reasonably near?

How expensive is fire insurance in this neighborhood?

Are the streets well lighted after dark?

Is this neighborhood restricted so as to keep out ugly buildings?

Am I protected in this respect for a number of years?

Is this section improving, deteriorating, or standing still?

How will my house compare in appearance to others in the neighborhood?

#### About the Lot

Will the lot size, building restrictions, and location of adjoining houses make possible the development of a good indoor and outdoor living arrangement?

Will the surroundings make possible a correct orientation of rooms without lack of privacy?

Are there trees or shrubs on the lot?

Can these be saved?

Is the lot graded so that surface water will not drain into the cellar?

Are adjacent lots graded so that they will not drain into mine?

If there are stone walls, are there "weep" holes in them to facilitate proper drainage?

Is the back yard suitable for children playing? For hang-

ing out wash? For sitting out back if I want to? For a garden if I want one?

Is the back yard properly separated from neighbors'?

Can I take care of snow removal in winter, or is there so much walk and steps to handle that I may frequently need help, adding to cost?

Does the general situation protect me against undue exposure to the north in winter which may raise my heating bills ten, twenty, or even fifty dollars a winter over some other location?

Is the location cool in summer?

Will the lawn be reasonably easy to mow or must I hire help?

Am I next to a vacant lot full of weeds which will make a good lawn impossible?

Is the lot in keeping with the house? (The lot should be worth about ½ as much as the house itself. A more expensive lot adds nothing to total value if you are buying.)

Are the lot dimensions as stated by the renter or seller?

#### **About the House**

If there is a view, does the plan take full advantage of it?

Are the main rooms properly oriented in relation to sun and prevailing winds in summer?

If there should be need of future additions does the plan provide for them?

Is the plan sufficiently adaptable to the requirements of an average family so that the house might be readily sold if necessary?

Will the exterior materials require frequent repair or replacement, or are they well suited to local conditions?

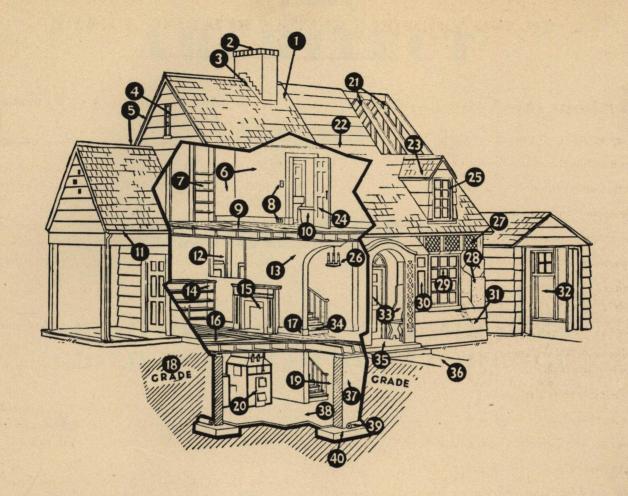
Is circulation within the house easy? Is it necessary to pass through the living room to get to the private quarters? Has the guest room sufficient privacy?

Does the house "furnish" well? Is there ample space for beds, couches, tables, etc?

Is it so unusual in appearance that it will get tiresome though it attracts us today?

Is it compact and without ells and other projections which may make it costly to heat?

#### 40 IMPORTANT POINTS IN HOUSE CONSTRUCTION



- 1. Roof
- 2. Chimney masonry, cap, etc.
- 3. Flashing
- 4. Attic ventilation, attic room
- 5. Exterior trim
- 6. Wall-board, plaster, etc.
- 7. Closet space, shelves, etc.
- 8. Outlets and wiring
- 9. Flooring-finished lumber, tile, linoleum, etc.
- 10. Plumbing and fixtures
- 11. Gutters, downspouts
- 12. Kitchen equipment
- 13. Paint, wallpaper, interior decoration
- 14. Built-in book-shelves, cabinets, cupboards, etc.
- 15. Fireplace, mantel, flue, etc.
- 16. Joists and subflooring
- 17. Interior trim
- 18. Grading and landscaping
- 19. Recreation room, laundry, workshop, etc.
- 20. Heating plant

- 21. Rafters, studding
- 22. Roof sheathing
- 23. Dormers
- 24. Doors and hardware
- 25. Weather-stripping
- 26. Electric fixtures
- 27. Lath
- 28. Sheathing and insulation
- 29. Window frames and sash
- 30. Blinds, shutters
- 31. Exterior walls
- 32. Garage-tool space, workshop, etc.
- 33. Porch-bench, transom, door columns, etc.
- 34. Stairway-treads, rails, balusters, etc.
- 35. Steps-brick, wood, concrete, tile, etc.
- 36. Walks and drives
- 37. Foundation walls
- 38. Basement floor
- 39. Drain tile
- 40. Footing

# THE ARCHITECT

#### AND THE

# \$5,000 HOUSE

A NATIONAL DEMONSTRATION OF 46 NEW SMALL HOUSES COSTING \$5,000 OR LESS AND DESIGNED BY ARCHITECTS

People take it for granted that architects do not design small, inexpensive houses. And they take it for granted that architects do not want to. And most of all they take it for granted that it is not necessary to have an architect for such a house. The pages which follow demonstrate the fallacy of those assumptions. Every house presented here costs \$5,000 or less. Every house presented here was designed by an architect; some for individual clients whose requirements were known, others for sale to unknown buyers whose requirements had to be averaged. The Architectural Forum counts it a privilege to offer for the first time a conclusive demonstration of the fact that the small house, no less than the soaring skyscraper, is a better building—better to live in, better to look at, better built, better to hold and better to sell—with benefit of architect.

For purposes of comparison all floor plans are reproduced at the same scale.

NOTE: The figures given as costs refer to the house and include the architect's fee but in no case do they include the cost of land, land-scaping or furnishing. It is of the utmost importance to note that there is a wide difference in the cost of the same house in different localities, sometimes even in neighboring towns. These costs, therefore, are relative and not the actual cost of the same house in your community. For an indication of varying costs according to locality

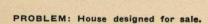
see the tabular survey in this book. Consult your architect for local cost figures.

It is not to be inferred that the specifications given carry any recommendation or endorsement. They are merely the list of products specified for the particular houses shown in this book. Specifications for any house can be properly determined only by your local architect.

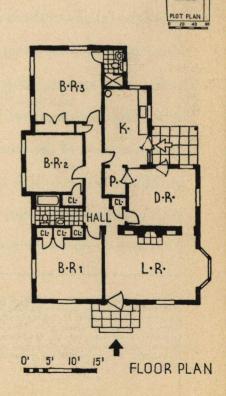
# 1. HOUSE AT PEMBERTON HEIGHTS, AUSTIN, TEXAS



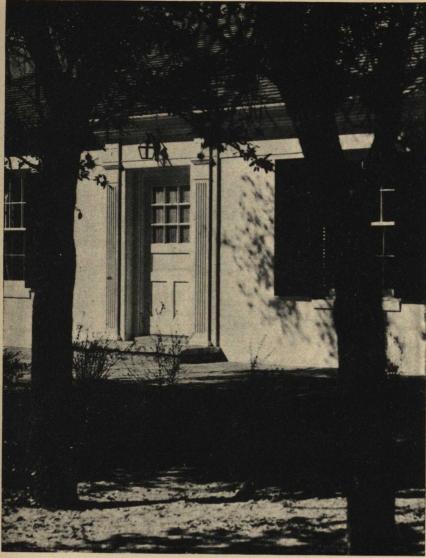
University Photos



Designed as a demonstration house under the FHA program, this home was erected in Pemberton Heights, a residential section of Austin, Texas. Brick walls, painted white to match the exterior woodwork, repel the sun's rays. Blinds on the front windows dress up the facade. The plan is simple and compact. All three bedrooms are located on the southern side, leaving the cooler exposure for the living and dining rooms. To make room for the corridor connecting the bedrooms, without loss of area to the middle bedroom, the exterior wall at this point has been jogged out the width of the corridor. Built-in shelves and cabinets save space. The unattached garage is placed slightly to the side and rear of the house, with access from the kitchen. Cost: \$4,960. Cubage: 22,862 at about 22 cents.



# H. F. KUEHNE, ARCHITECT



ENTRANCE



LIVING ROOM

#### CONSTRUCTION OUTLINE

FOUNDATION

Footings, continuous and piers concrete. Walls-8 in. brick up to level of floor joists.

STRUCTURE

Exterior walls-4 in. common brick veneer anchored to wood sheathing; 15 lb. felt applied as building paper between brick and No. 3, 1 x 12 in. shiplap sheathing applied horizontally to 2 x 4 in. studs, 24 in. o.c. Interior wall surface is finished with paper applied to canvas on No. 2, 1 x 6 in. center match sheathing. Interior partitions-2 x 4 in. studs and 1 x 6 in. No. 2 center match on each side, finished like outside walls. Floor construction—2 x 8 in. No. 1 yellow pine joists, 16 in. o.c. bridged; No. 3 shiplap sub-floors, 2 x 6 in. Joists for attic floor, sheathing and canvas for ceiling. ROOF

Construction—2  $\times$  4 in. rafters trussed to ceiling Joists below. Finish—18 in. No. 1 Perfection edge grain red cedar shingles laid  $5\frac{1}{2}$  in. to the weather on 1  $\times$  G in. shingle ribs, 11 in. o.c.

CHIMNEY

Common brick. Lining-terra cotta. Fireplace-damper, H. W. Covert Co.

SHEET METAL WORK

Flashing, gutters, leaders—28 gauge galvanized iron. INSULATION

None.

WINDOWS

Sash-double hung, multi-light. Frame-white pine, galvanized ball-bearing pulleys, Samson spot cord. Glass—quality B, single strength. Screens—white pine frame with pearl wire screen. Blinds—white pine. FLOORS

Living room, bedrooms and halls—select beech, waxed. Kitchen—1 x 4 in. No. 1 pine, inlaid linoleum. Bathrooms—one tile and one like kitchen. Porches—limestone flagstone.

WALL COVERINGS

All rooms wall papered. Kitchen-paper with Masonite Temprtile wainscot. Bathrooms—tile shower walls. Keene's cement wainscot. Other portion of walls papered.

WOODWORK

Trim-molded white pine base and casing trim. Shelv-Trim—molded white pine base and casing trim. Shelving and cabinets—yellow pine, cabinets special built to detail B & B yellow pine, paneling, yellow pine. Doors, interior—6 panel, 1% in. white pine. Doors, exterior—1% in. special white pine. Garage doors—built up of No. 1 select yellow pine.

HARDWARE

Interior-Colonial type, bronze, bit-key type locks. Exterior-bronze, Yale cylinder.

PAINTING

Interior: Walls-wainscot, in kitchen and bath 4 coats enamel. Floors-machine sanded, filled, given 2 coats varnish and waxed. Trim and other interior woodwork baths and kitchen 4 coats gloss enamel, 3 coats lead and zinc paint Exterior: Walls—brick veneer, 2 coats of Bondex, Reardon Co. Roof-2 coats Cabot's shingle stain.

ELECTRICAL INSTALLATION

Wiring system-2 wire Romex flex-loom complete with meter loop, meter, fuse box, radio plugs and iron outlets. Switches-flush, toggle, single pole, Bakelite face plate in color to match woodwork.
KITCHEN EQUIPMENT

Stove-piped for gas stove. Refrigerator-piped for gas refrigerator and wired for electric refrigerator. Sinktwo compartment sink with two duo-strainers, Kohler Co. Cabinet-tile and linoleum covered work top. BATHROOM EQUIPMENT

Lavatory-Hudson regular enamel, wall hung. Tub-Metropolitan white enamel recess bath. Toilet-Reverse trap bolted type closet combination. Shower-Tipton chromium plated concealed two valve type with self cleansing head, all fixtures by Kohler Co. Cabinet special medicine cabinet, steel copper back, Venetian type mirror on door.

PLUMBING

Pipes—cast iron and galvanized steel. HEATING

Gas unit heaters.

#### 2. HOUSE FOR MRS. THOMAS TOWLES, UNIVERSITY,

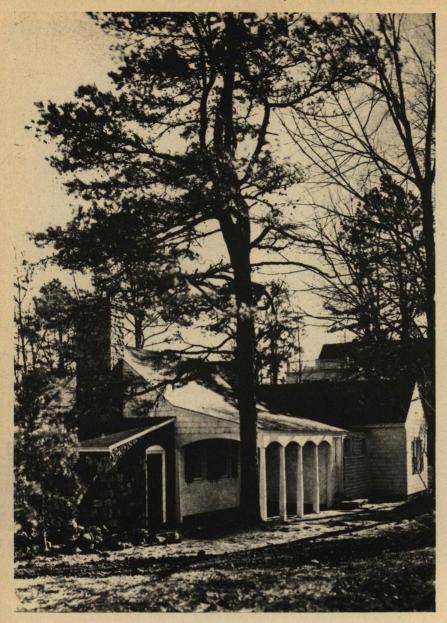


FRONT

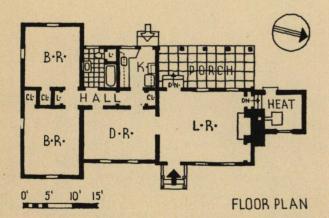
PROBLEM: Colonial House for a family of two. Automatic mechanical equipment mandatory because husband's profession requires his absence from the city at frequent intervals. Lot size 60 x 185 ft.

The local building tradition is strong in this section of the country, and the house was designed to conform with it. While it is rather broken up for so small a house, its parts are in good scale and enrichment is confined to small areas. The use of fieldstone for chimney and heater room is practical, and attractive in combination with wood shingles. The rear of the house is most successful, with its old-fashioned porch and large expanse of gently sloping roof. Cost: \$4,955. Cubage: 14,637 at about 34 cents.

# CHARLOTTESVILLE, VA., MILTON L. GRIGG, ARCHITECT



REAR



PLAN: Compactly laid out. Unusual use of dining room as circulation between living room and bedrooms and bath. Incorporation of dining room and living room might have left more space for storage, closets, etc.



#### CONSTRUCTION OUTLINE

FOUNDATION

Walls-continuous, local field stone.

STRUCTURE

Exterior walls-redwood shingles, % in. sheathing, 2 x 4 in. studs, Celotex lath and plaster. Interior par-2 x 4 in. studs, Celotex lath and plaster. Interior partitions—2 x 4 in. studs, Red Top rock lath and sand finish plaster, U. S. Gypsum Co., Keene's cement in bath and kitchen, Best Bros. Floor construction—2 x 10 in. Joists, sub-floor, ceiling 2 x 8 in, Joists, rock lath and plaster.

ROOF Construction-2 x 8 in. rafters, 30 lb. felt and sheathing. Finish-Flintkote tapered strips composition shingles.

CHIMNEY

Field stone. Lining-terra cotta. Fireplace-oversize hand made brick, Old Virginia Brick Co., damper specially designed.

SHEET METAL WORK

Flashing—Armco iron. INSULATION

Celotex lath on outside walls and all ceilings. Attic floor—rock lath. Weatherstripping—Monarch Metal Weatherstrip Corp.

WINDOWS

Sash-redwood, double hung except in kitchen and bath which are casements. Frame-yellow pine. Glassquality A, double strength, Pittsburgh Plate Glass Co. Screens-bronze in redwood frames, sliding. Blindsstock louvered.

FLOORS

Living room, bedrooms and halls— $2\frac{1}{4}$  in. red oak, Barnes Lumber Co., Inc. Kitchen and bath— $2\frac{1}{4}$  in. fir covered with linoleum, Armstrong Cork Products Co. Porches—flagstone, local quarry.

WOODWORK

Paneling in living room, redwood. Trim-redwood, special detail. Shelving and cabinets-yellow pine and fir plywood, special design. Doors, interior and exterior—redwood, special design.

HARDWARE

Hand wrought iron, special, Reading Iron Co. PAINTING

Interior: Paneling-filled and waxed. Walls and ceilings-Farbo cold water paint, Farboil Paint Co. Floorsfilled, stained and waxed. Trim and sash—Wallhide, Pittsburgh Plate Glass Co. Exterior: Shingles—Safety White whitewash, all other surfaces, trim, etc., Double White, Samuel Cabot Co.

ELECTRICAL INSTALLATION

Wiring system—BX cable, General Electric Co. Switches—General Electric Co. Fixtures—special, Ritchie Electric Co.

KITCHEN EQUIPMENT

Stove-Standard Electric Stove Co., Toledo, O. Refrigerator-Frigidaire. Sink-Standard Sanitary Mfg. Co. Cabinet—wood, special design.
BATHROOM EQUIPMENT

All fixtures by Standard Sanitary Mfg. Co.

PLUMBING

Pipes-Glaymorgan cast iron. Water supply-wrought iron, Reading Iron Co.

HEATING

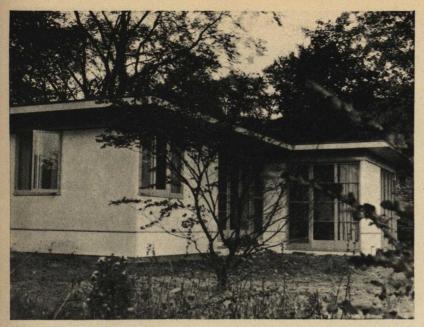
Hot water with pressure pump. Boiler-tubular, American Radiator Co. with Timken oil burner. Radiator—Corto, American Radiator Co. Thermostat—Timken Silent Automatic Co. Hot water heater—summer and winter hook-up on oil burner.

# 3. HOUSE FOR W. V. KING, CONVENT, NEW JERSEY



No small factor in keeping down the final cost of this small house was the architect's choice of Homasote building board for both the exterior and the interior walls. In this house, the 8 x 14 ft. boards were used at their full height, 1 in. wood trim being added to cover the joint. The proportionment of window space has been carefully studied with excellent results. The wide overhang of the roof is necessary with so much glass area to protect in the extreme weather. The interiors, thought out in terms of large, flat areas, are simple and restrained. The fireplace, a portion of which is seen in the lower photograph, is particularly well done. In plan, much space has been saved by using closets to eliminate partitions, as shown between the master's and the children's rooms. Provision has been made for laundry and storage in the basement. Cost: \$4,400. Cubage: 20,430 at about a little over  $21\frac{1}{2}$  cents.

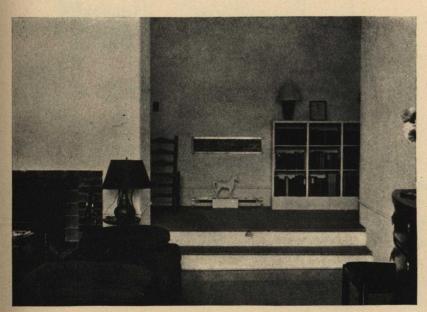
#### DESIGNED BY JAN RUHTENBERG



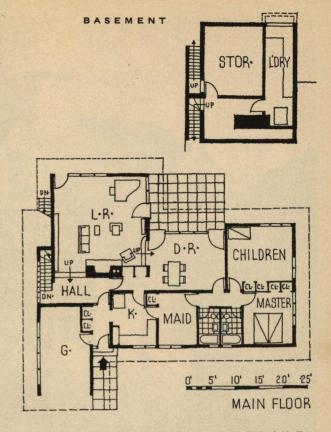
TERRACE



WINTER



LIVING ROOM



#### CONSTRUCTION OUTLINE

FOUNDATION

Basement—2 walls existing. Footings—concrete blocks. Cellar floor—existing concrete.

STRUCTURE

Exterior walls—2 x 4 in. wood frame, 8 x 14 ft. Homasote building board outside and inside, Agasote Millboard Co., Trenton, N. J. Interior partitions—same as exterior walls. Floor construction—living room, existing concrete, balance wood. Ceilings—Homasote nailed to underside of beams.

ROOF

Construction—wood. Finish—1 layer of prepared asphalt roofing.

CHIMNEY

Fire brick.

INSULATION

Homasote building board, airspace between roof and ceiling Joists.

WINDOWS

Sash—wood casements to detail, some fixed. Glass—quality B, double thick. Screens—galvanized iron mesh, wooden frames.

FLOORS

Living room—cement. Bedrooms and halls—wood. Covered with straw matting. Kitchen—wood. Bathrooms—concrete, painted.

WOODWORK

Trim—pine. Closets—standard sized units of wood frames, covered on both sides with Masonite, closets are built in between rooms eliminating partitions. Doors—flush, special made.

PAINTING

Interior: walls and ceilings—cold water paint. Trim and sash—3 coats oil paint. Exterior: walls—plastic water-proof paint.

ELECTRICAL INSTALLATION

Wiring system—BX cable. Switches—toggle, Pass & Seymour.

KITCHEN EQUIPMENT

Stove—gas, Tappan Stove Co. Refrigerator—General Electric. Sink—Standard Sanitary Mfg. Co. Cabinet—wood, special made.

BATHROOM EQUIPMENT

Fixtures—Standard Sanitary Mfg. Co.

PLUMBING

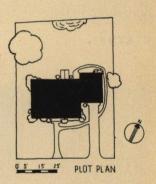
Pipes—galvanized iron throughout. Septic tank.

HEATING

Two pipe steam. Boiler—oil fired, American Radiator Co. Radiators—American Radiator Co. Thermostat—Minneapolis-Honeywell Regulator Co. Hot water heater—connected with the boiler.

# 4. HOUSE FOR ROBERT R. CHANEY, CAPE ELIZABETH,





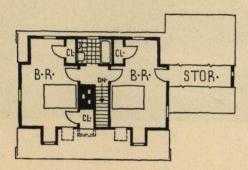
PROBLEM: To build for man, wife, and small child, a Colonial house with an attached garage, to cost not more than \$5,000. Lot size  $63 \times 90$  ft.

The house, both in plan and elevation, is typically New England work in this price class. It was planned originally to finish the space over the garage and to use the room as a child's bedroom when there were guests, but it could not be done within the budget. The exterior has been designed with considerable regard for good precedent. The placing of the windows on the front simplifies the elevation and accentuates the entrance. While the plan is a standard one, the kitchen is unusually large, and has sufficient space for eating and laundering as well as cooking. Its proximity to the living room is an added convenience. Cost: \$5,000 including walks, drive, and grading. Cubage: 20,500 at 24 cents.

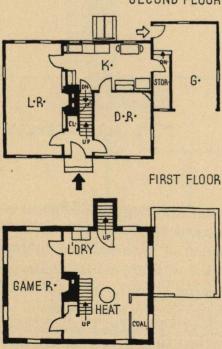
# MAINE, WILLIAM O. ARMITAGE, ARCHITECT



LIVING ROOM



SECOND FLOOR



BASEMENT

#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls-below grade, concrete 1-3-5 mix. Above grade, common brick with air space. Cellar floor—gravel fill, concrete 1-2-4 mix, colored cement finish in play room. Waterproofing-1 coat of hot asphalt outside.

STRUCTURE

Exterior walls-2 x 4 in. spruce studs, sheathing, building paper and 6 in. cedar clapboards laid 4 in. to weather, inside lath and plaster. Interior partitions-Red Top insulating lath 18 x 48 in., ½ in. thick, wood fiber plaster, U. S. Gypsum Co. Red Top trowel finish, Keene's cement in kitchen and bath. Floor construction-2 x 8 in. wooden beams. Ceilings-plaster on Red Top insulating lath.

ROOF

Construction-2 x 6 in. rafters and sheathing. Finishblack composition shingles.

CHIMNEY

Common brick. Lining-81/2 x 13 in. clay. Fireplace-

poker control, Donley Bros. SHEET METAL WORK Flashing and leaders—Armco galvanized iron. Gutters

WINDOWS

Sash-double hung, stock white pine. Glass-quality A, Pennvernon, Pittsburgh Plate Glass Co. Blinds-stock

STAIRS

Plain oak treads, white pine risers and stringers. FLOORS

First floor-random width oak cellized planks screwed and plugged. Second floor-21/4 in. face clear white oak. Kitchen and bathroom-linoleum, Armstrong Cork Products Co.

WALL COVERINGS

Living room-paneling, native pine. Wall paper above dado. Bedrooms and halls-wall paper.

WOODWORK

Trim, cabinets and doors—white pine. Garage doors—white pine sheathing made sectional on job to take Crawford Overhead Door hardware.

HARDWARE

Iron for exterior and in living room, remainder brass with glass knobs, Sargent & Co.

PAINTING

Interior: Walls-paneling in living room stained with Colonial stain, dado of living room, kitchen and bath, sized and painted 2 coats. Ceilings-plaster left natural. Floors-filled and stained, 2 coats shellac and 2 coats wax. Trim and sash-oil paint. Exterior: Walls, trim and sash—Dutch Boy white lead, National Lead Co.
ELECTRICAL INSTALLATION
Wiring system—BX. Switches—General Electric. Fix-

tures-interior pewter finish, exterior black iron, Brighton Chandelier Co.

KITCHEN EQUIPMENT

Stove-gas. Sink-slate. Cabinet-white pine, to detail. Laundry sink-slate trays.

BATHROOM EQUIPMENT

All fixtures by Kohler Co. Cabinet—metal with lights, Miami Cabinet Division, Philip Carey Co.

Pipes: Soil-cast iron. Waste and vent-galvanized iron. Water supply-brass. Tank-30 gal. hot water tank, copper.

One pipe steam. Fuel-coal. Boiler, radiators and valves, American Radiator Co. Hot water heater-coil, indirect for winter, gas for summer.

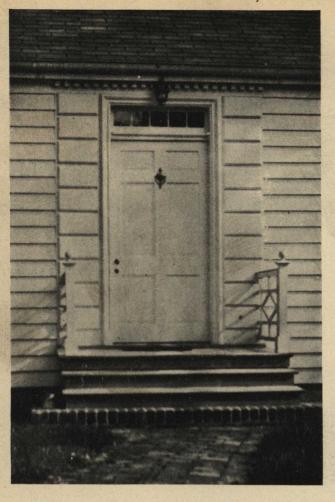
PLAN: Very compact. Circulation direct and easy. The dining room is of ample size and storage and closet space is adequate.

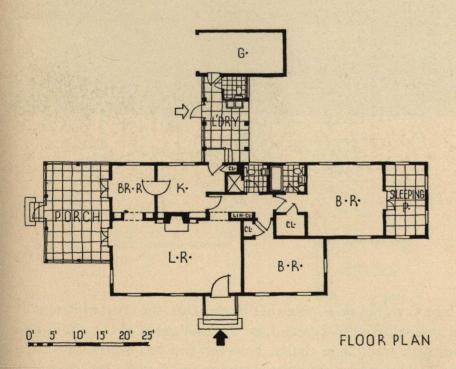
# 5. HOUSE FOR WILLIAM RUSSELL, COVINGTON, LOUISIANA



The owner found that he could build a house under present financing plans at a cost no higher than the rent he was paying. Unusually ample in its accommodations, the house reflects the local climatic conditions which dictated the rambling plan, the elimination of basement and heating plant, and the extensive use of screened porches. The exterior is handled with appropriate restraint, and the slight enrichment of the main entrance is in keeping with the general character of the house. The small house requires remarkably little embellishment; the pattern provided by windows, doors, and walls is almost invariably sufficient for a pleasing effect. Here, in spite of the general lack of ornamentation, there is no effect of bareness, and the simplicity of the treatment is an excellent foil for the fine trees which surround the house. Cost: \$3,800. Cubage: 31,950 at 12 cents.

# DOUGLASS V. FRERET, ARCHITECT





PLAN: Living accommodations for owner, wife, and daughter. The dining room has been eliminated, with a small breakfast room in its place, so located that the porch can be conveniently used for dining. With storage space all on one level, the indicated closet arrangement seems rather meager. An effect of apparent size has been created by the use of porches. Ventilation, most important in this part of the country, has been well provided for by the plan.

#### CONSTRUCTION OUTLINE

FOUNDATION

Brick piers on concrete footings.

STRUCTURE

Exterior walls-pine siding, felt, 2 x 4 in. studs, 16 in. o.c. Inside—wall board and plaster. Interior partitions—wall board and plaster. Floor construction—sub-floor and felt on wooden beams.

ROOF

Construction—2  $\times$  6 in. rafters, 20 in. o.c., 1  $\times$  6 in. sheathing, felt. Finish—asphalt shingles. CHIMNEY

Common brick, terra cotta flue lining.

SHEET METAL WORK

Flashing, gutters and leaders—galvanized iron. INSULATION

None. Weatherstripping-front door.

WINDOWS

Sash—double hung, cypress. Glass—quality A, double strength. Screens—16 mesh copper, cypress frames. Blinds—cypress, Venetian blinds.

FLOOR

Living room, bedrooms and halls-\% x 3\\(^1\)4 in. long leaf yellow pine. Kitchen and bathrooms—covered with linoleum. Porches— $1\frac{1}{8}$  x  $3\frac{1}{4}$  in. long leaf yellow pine. WALL COVERINGS

All rooms are wall papered.

HARDWARE

Interior-brass with glass knobs. Exterior-brass.

PAINTING

Interior: Trim and sash-2 coats lead and oil, 1 coat enamel. Floors—sanded, filled, varnished, waxed. Exterior: Walls—aluminum primer, 2 coats lead and oil. KITCHEN EQUIPMENT

Stove—gas. Refrigerator—electric. Sink—Standard Sanitary Mfg. Co.
BATHROOM EQUIPMENT

All fixtures by Standard Sanitary Mfg. Co.

Soil and vent pipes-cast iron. Supply pipe-galvanized

HEATING

Gas unit heaters in rooms.

# 6. MODEL FARM HOUSE (PUGET MILL CO.), LAKE SERENE,



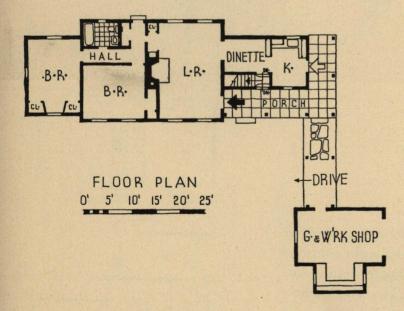
Todd Hazen Photos

PROBLEM: House designed for sale on a lot 120 x 400 ft.

Resembling the type of house found on Cape Cod, but on a somewhat larger scale, the crisp whiteness of the wall surfaces and chimneys presents a sympathetic background for the cool green of the blinds and shrubbery. The architect has taken liberties with traditional design however and has placed the main entrance on the side. To relieve the two double window spaces of the main facade, he planted a large decorative evergreen that completely fills the conventional front entrance space. Breaking the shape of the house by means of subordinate set backs, the designer achieved a pleasant rambling dwelling that adequately fits the site. The garage, built at some distance from the residence but of the same material, is connected to the main portion by a long covered porch that is lined, in typical Cape Cod fashion, on either side by a small picket fence. Cost: \$3,400. Cubage: 22,700 at a little over 15 cents.

# WASHINGTON, GEORGE WELLINGTON STODDARD, ARCHITECT





PLAN: The position of the main entrance on the side wall was dictated by the location of the front drive. The basic plan is very neat and compact, with a minimum of cluttering partitions and haphazard closet areas. The kitchen, as is very necessary on a farm, has well lighted, roomy working area.

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls-continuous 8 in. concrete. Cellar floor-31/2 in. concrete. Waterproofing-hot asphalt.

STRUCTURE

Exterior walls-Royal shingles, 10 in. exposed, Excel Shingle Co., building paper, shiplap sheathing, 2 x 4 in. studs. Inside—wood lath and plaster. Interior partitions-wood lath and plaster on wood studs. Floor construction-wood Joists, shiplap sheathing, ceiling plastered.

ROOF

Construction—2 x 4 in. rafters, 1 x 3 in. roof boards. Finish-5 in 2 perfect shingles, 5 in. exposed, Excel Shingle Co.

CHIMNEY

Common brick, Tri-stop damper.
SHEET METAL WORK
Flashing, gutters and leaders—galvanized iron.

INSULATION

None. WINDOWS

Sash-double hung wood. Glass-quality B, double strength, Libbey-Owens-Ford Glass Co.

FLOORS

Living room, bedrooms and halls-red oak. Kitchenfir covered with linoleum, Armstrong Cork & Products Co. Bathrooms—tile, Gladding, McBean & Co.

Porches—fir.
WALL COVERINGS

Living room, bedrooms and halls—paper, Imperial Paper & Color Corp.

WOODWORK

All stock, fir—Elmer, Moody & Co. HARDWARE

Interior and exterior-black iron, Yale & Towne Mfg. Co. PAINTING

Interior: Walls-kitchen and bath, oil paint. Ceilingscalcimine, I. F. Laucks Inc. Trim and sash—oil paint. Exterior: Walls and sash—oil paint. Roof—stain. All oil paint and stain by Schorn Paint Co.

ELECTRICAL INSTALLATION

Wiring system—knob & tube. Switches—Hart & Hegeman. Fixtures—direct, Dwyer & Co.

KITCHEN EQUIPMENT

Sink-Standard Sanitary Mfg. Co.

BATHROOM EQUIPMENT

All fixtures by Standard Sanitary Mfg. Co.

Warm air-Lennox Furnace Co. Coal fired hot water heater-electric.

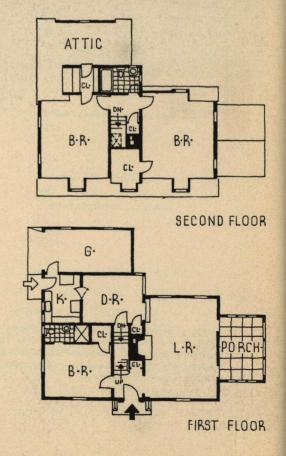
# 7. HOUSE FOR L. V. BLEDSOE, WINTER PARK, FLORIDA



Dans Dhatas

PROBLEM: Colonial house on a lot 135 x 65 ft. for a man, his wife and child, requiring on the first floor a living room, dining room, kitchen, guest bedroom, bath, sun porch and connected garage, and on the second floor, two bedrooms, a bath and an attic. Cost not to exceed \$5,000.

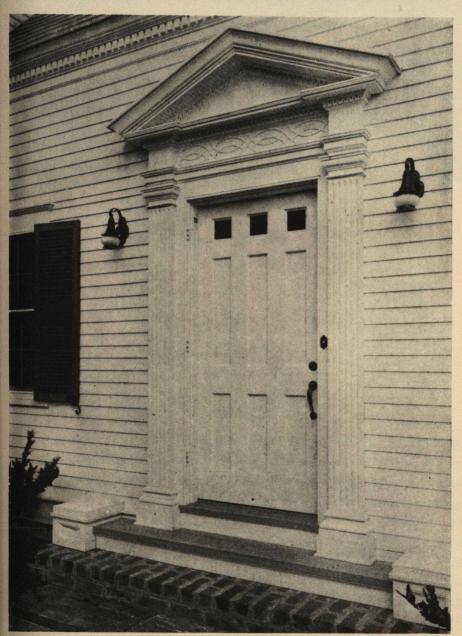
With so many rooms required on the ground floor, the involved passage from the kitchen to the front door does not seem a serious drawback. The Colonial doorway, with its delicate detail, and the main cornice lend distinction to the house. The wood paneling in the living room (shown in the photograph) gives way to plaster on the other three sides. The fireplace, reminiscent of Cape Cod, is painted white. In plan, the full size of the house may be quickly appreciated. An excellent feature is the first floor bedroom which can be converted into a private guest suite. The second floor shows a closet almost the size of the kitchen. Cost: \$5,000. Cubage: 23,780 at about 21 cents.



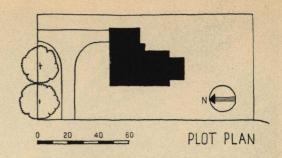
## JAMES GAMBLE ROGERS II, ARCHITECT



LIVING ROOM



ENTRANCE



### CONSTRUCTION OUTLINE

## FOUNDATION

Walls-8 x 8 x 16 in. cement blocks. Cellar floor-cement on sandy loam. Dampproofing-strip of 30 lb. felt mopped in place with hot pitch on top of all piers and foundation walls.

### STRUCTURE

Exterior walls-re-sawed siding, 30 lb. felt paper, 2 x 4 in. studs, wood lath and 3 coats plaster. Interior partitions—2 x 4 in. studs, plastered 3 coats. Floor construction—wood joists, 34 in. sheathing felt paper, wood of first floor is treated with Zinc-Meta-Arsenite. ROOF

Construction—wood rafters, sheathing, 15 lb. felt. Finish—No. 35 slate colored Asbestos shingle in random widths, Johns-Manville.

### CHIMNEY

Lining-terra cotta. Damper-Majestic Mfg. Co. SHEET METAL WORK

Flashing-16 oz. Anaconda copper.

### INSULATION

Roof-Red Top insulating wool, U. S. Gypsum Co. WINDOWS

Sash-cypress casements, some double hung, Glassquality B, single strength, Libbey-Owens-Ford Glass Co. Screens-18 mesh bronze in cypress frames. Blindscypress, stationary louvers, close from outside.

Main stair--oak treads, cypress risers, long leaf pine stringers.

### **FLOORS**

Living room— $^{13}$ 16 x 2½ in. oak. Bedrooms and halls—first floor, oak, second floor, yellow pine. Kitchen yellow pine covered with linoleum, Armstrong Cork Products Co. Bathrooms—1 x 2 in. ceramic tile. Porches—6 x 6 in. red quarry tile.

## WALL COVERINGS

Living room-north wall paneled with v-jointed cypress boards, balance plastered.

### WOODWORK

Trim-cypress. Shelving and cabinets-cypress, local manufacturer. Doors, interior-fir stock, 5 cross panel. HARDWARE

Interior and exterior-solid brass, Russell & Erwin Mfg. Co. Garage doors—overhead hardware, Overhead Door Co.

### PAINTING

Interior: Floors, trim and sash-2 coats Minwax. All plaster to be wall papered later. Exterior: Siding and sash—lead and oil paint, E. I. DuPont. ELECTRICAL INSTALLATION

Wiring system-BX armoured cable. Switches-tumbler, Bakelite plates.

### KITCHEN EQUIPMENT

Stove-gas. Refrigerator-Frigidaire. Sink-flat rim, Standard Sanitary Mfg. Co. Drainboards, back and side, Hood Rubber Tile. Cabinet—local manufacture. BATHROOM EQUIPMENT

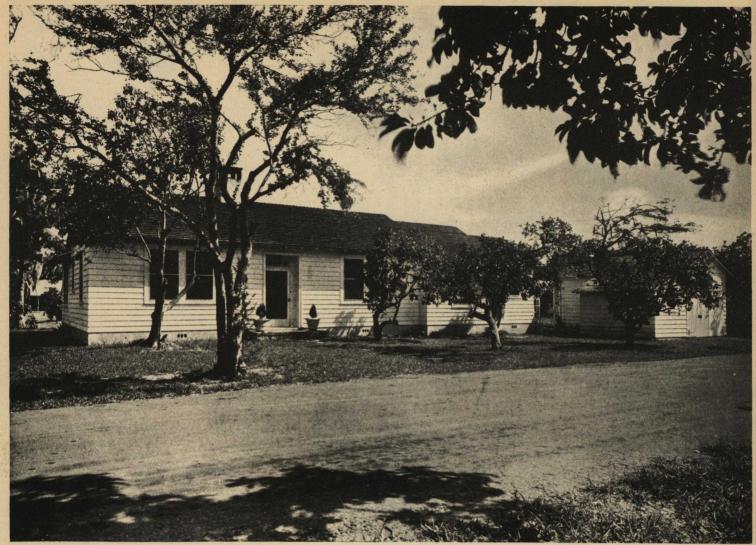
Lavatory, Tub and Toilet-Standard Sanitary Mfg. Co. Seat-Sani-white, Church Mfg. Co.

PLUMBING Pipes: Soil, waste and vent-cast iron. Water supplygalvanized iron.

### HEATING

Warm air gravity. Boiler-equipped with oil burner, Williams Oil-O-Matic Heating Corp. Thermostat-Minneapolis-Honeywell. Hot water heater-Crane "Kero" storage tank, automatic kerosene heater.

## 8. HOUSE FOR D. V. GODARD, COCONUT GROVE, FLORIDA



Richard Holt Photos

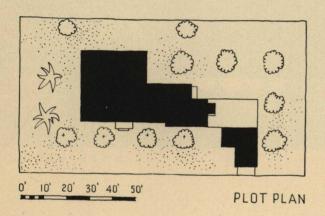
PROBLEM: House for a lot  $70 \times 130$  ft. to have three bedrooms, two bathrooms, living room, dining room and kitchen.

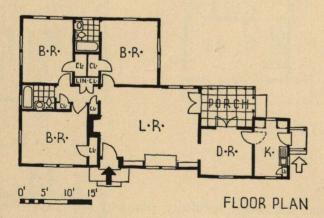
This house has the low rambling appearance of the Monterey type although the frame construction and shingled roof indicate its Eastern origin. From the standpoint of design, the house has been reduced to its most elementary terms. Every detail has been kept in its most fundamental form. In the lack of window blinds, cornice detail, and any decorative frill, the architect has—to a point of severity—refused to force an effect. Yet the result is neither severe nor dull, the carefully studied placement of the windows, the break in the line of the wall, and the use of small trees as decorative motifs, combine to give the house an air of life and vitality. The interiors have been treated with the same restrained discrimination. No doubt the architect was influenced by economy in leaving bare the ceiling construction of the living room and in so doing the room has gained in personality. Cost: \$5,000. Cubage: 19,600 at 251/2 cents.

## MARION I. MANLEY, ARCHITECT



LIVING ROOM





PLAN: Although the main entrance leads directly into the living room, the sharpness is somewhat alleviated by the fact that the door itself has been set back a few feet from the facade. The location of the three bedrooms as a unit to which there is but really one central approach is commendable.

### CONSTRUCTION OUTLINE

FOUNDATION

Footings-continuous concrete. Walls-concrete blocks. STRUCTURE

Exterior walls-wood siding, 2 x 4 in. studs. Inside lath and fiberless putty color plaster. Interior partitions—wood studs, lath and plaster. Floor construction—reenforced concrete floor slab.

ROOF

Construction-wood rafters and sheathing. Finishwood shingles.

CHIMNEY

Common brick. Lining—terra cotta. SHEET METAL WORK

Flashing-16 oz. copper.

INSULATION None.

WINDOWS

Sash—double hung, wood. Glass—quality A, double strength, Libbey-Owens-Ford Glass Co. Screens—wire mesh, full length. FLOORS

Living room—Dycrome hardener and color applied to concrete, Master Builders Co. Bedrooms and hall-cellized wood on concrete. Kitchen and bath-linoleum on concrete, Armstrong Cork Products Co. Porch—brick. WOODWORK

Trim, cabinets and doors-cypress.

HARDWARE
Yale & Towne Mfg. Co.

PAINTING

Interior: Ceilings—exposed rafters and sheathing, stained. Trim and sash—stained. Exterior: Walls and sash—white lead and oil, Dutch Boy, National Lead Co. Roof—shingles dipped.

ELECTRICAL INSTALLATION Wiring system—Romex cable. KITCHEN EQUIPMENT

Sink—Standard Sanitary Mfg. Co. BATHROOM EQUIPMENT

Fixtures-Standard Sanitary Mfg. Co. Seat-No. 10 white, Church Mfg. Co.

PLUMBING

Water supply-copper tubing.

HEATING

None.

## 9. HOUSE FOR STANLEY OZEMICK, EAST HARTFORD, CONN.



George E. Meyers

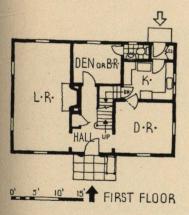
PROBLEM: House designed for sale.

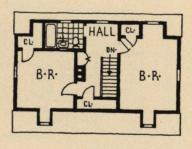
The facade of this pleasing Dutch Colonial house has been carefully planned and proportioned, the two windows, metal leaders and dormers symmetrically balancing each other, leaving the main door—as it should be—the central point of interest. Typical of a great many speculatively built houses this example illustrates the lack of three-dimensional landscape treatment. Abruptly beginning at one corner of the facade the planting works across to the other corner and stops. Had the shrubbery been continued to take in the garage much would have been gained. Cost: \$4,975. Cubage: 20,000 or almost 25 cents a cubic foot.

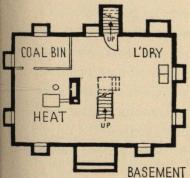
## KEITH SELLERS HEINE, ARCHITECT



DETAIL LIVING ROOM







SECOND FLOOR

PLAN: The first floor plan gives the owner the option of a den or an extra bedroom, complete with bath. The allotment of a large amount of working space in the kitchen is an excellent detail.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls-concrete. Cellar floor-concrete. Waterproofing -hydrated lime in concrete.

STRUCTURE

Exterior walls—2 x 4 in. studding, 16 in. o.c., 1 x 6 in. roofers, building paper; No. 1 Perfection shingles. Inside plastered 2 coats on foil backed Gold Bond rock lath, National Gypsum Co. Interior partitions-2 x 4 in. studding, Gold Bond lath, plastered 2 coats. Floor construction—2 x 8 in. Joists, 16 in. o.c., 1 x 6 in. yellow pine roofers for sub-floor, deadening felt. Ceiling 2 coats sand finish plaster on Gold Bond rock lath.

Construction-2 x 6 in. rafters, 20 in. o.c. Finish-18 in. No. 1 Perfection shingles, stained. CHIMNEY

Common brick. Lining-fireclay. Damper-Atlantic

SHEET METAL WORK

Flashing and leaders-16 oz. copper. Gutters-4 x G in. fir autters.

INSULATION

Outside walls-foil backed Gold Bond rock lath. Attic floor—3½ in. rock wool, Johns-Manville. Weather-stripping—Silentite, Curtis Companies, Inc.

Sash-Silentite, double hung, Curtis Companies, Inc. Glass—quality B single strength Lustra, American Window Glass Co. Screens—to fit Silentite frames. Blinds-Curtis Companies, Inc. STAIRS

 $1\frac{1}{8}$  in. select white oak treads,  $\frac{3}{4}$  in. white pine risers and stringers.

FLOOR

Living room, bedrooms and halls— $\frac{7}{8}$  x  $2\frac{1}{4}$  in. white oak. Kitchen— $\frac{5}{8}$  in. rift fir covered with inlaid linoleum. Bathrooms-tile. Porches-flagstones. WALL COVERINGS

Living room, bedrooms and halls-wallpaper. Kitchen -paint. Bathrooms—tile wainscot.

WOODWORK

Trim-Mitertite. Cabinets-stock. Doors, interior-6panel white pine. Doors, exterior—white pine. Garage doors—white pine, all woodwork by Curtis Companies. HARDWARE

Interior and exterior-Stanley.

PAINTING

Interior: Walls, kitchen and lavatory—sized and painted 2 coats lead and oil paint. Ceilings—sand finished plaster. Floors-stain filler and 2 coats Johnson's floor wax. Trim and sash-1 coat lead and oil, 1 coat undercoating, 1 coat semi-gloss enamel, Marietta Paint & Color Co. Exterior: Walls—2 coats white lead and oil. Roof-1 coat Weatherbest shingle stain. Sash-2 coats white lead and oil paint.

ELECTRICAL INSTALLATION
Wiring system—BX cable. Switches—tumbler.

KITCHEN EQUIPMENT

Refrigerator-electric. Sink-Standard Sanitary Mfg.

LAUNDRY EQUIPMENT

Sink-2 part cement laundry trays.

BATHROOM EQUIPMENT

Fixtures - Standard Sanitary Mfg. Co. Cabinet -Corcoran.

PLUMBING

Pipes: Soil-cast iron. Water supply-brass.

HEATING

Hot water-American Radiator Co. Fuel-coal. Hot water heater-Holyoke Heater Co.

## 10. HOUSE FOR IRA P. JONES, NASHVILLE, TENNESSEE



Wiles Photos

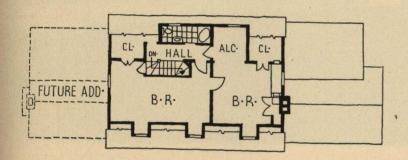
PROBLEM: House for two people, one child. Requirements: kitchen, dining room, living room, three bedrooms and two bathrooms. Cost not to exceed \$5,000.

With the intention of adding to his home at some later time, the designer decided that a story and a half Cape Cod Colonial house would best fill his need. In outward appearance he has achieved a creditable result. The main portion of the house is typically Cape Cod, especially in balance and in the horizontal line maintained by the tops of the windows with the top of the front door. To avoid constructing a cellar, a heating unit was installed in a wing which, to keep its proper position, was set back a few feet from the line of the main facade. A one-car garage is included in this subordinate wing. The landscaping has been successfully continued to include both main portion and wing. The walls of the living room have been paneled and the construction beams exposed, a direct contrast to the staid puritanism of the exterior. Space has been saved with built-in book cases. Cost: \$4,850. Cubage: 22,000 at about 22 cents.

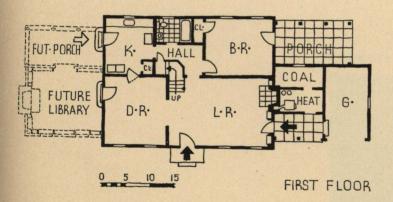
## IRA P. JONES, DESIGNER



LIVING ROOM



SECOND FLOOR



PLAN: The first floor bedroom, with its adjoining bath and private entrance, is a commendable feature. Influenced by the desire to save space an entrance hall was omitted, a suitable arrangement in the South. The garage has a covered access to the house by means of the front porch. When later additions are built, they will balance the subordinate wing, as shown in the dotted lines.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-native stone, continuous. Garage and boiler room, 8 in. poured concrete foundation.

STRUCTURE

Exterior walls-2 x 10 in. long leaf pine siding, resawn and shiplapped together with rough side turned out. Sisalkraft paper on wood studs. Inside wood laths and plaster. Interior partitions-wood studs, wood laths and plaster.

FLOOR CONSTRUCTION

First floor—Joists 2 x 8 in., 12 in. o.c., no sub-floor. Garage wing has 3 in. concrete floor on fill. Second floor—4 x 8 in. wood beams, 24 in. o.c., no sub-floor. ROOF

Construction—2 x 6 in. rafters, 24 in. o.c., each rafter braced by partition walls on second floor, No. 6 pine sheathing. Finish—Standard composition shingles, Johns-Manville.

CHIMNEY

Used brick. Lining-9 x 12 in. terra cotta for boiler flue, 12 x 12 in. for fireplace flue. Fireplace-damper, Peerless Mfg. Corp., Louisville, Ky. SHEET METAL WORK

Flashing-30 lb. tin. Gutters-4 x 6 in. shadowline fir gutters, Long Fir Gutter Co. Leaders-26 gauge galvanized iron.

INSULATION

Roof-entire roof area including gable ends, sides, ceilings and all dormers 4 in. of loose wool, Johns-Manville Co.

Sash-wood, Silentite, Curtis Companies, Inc. Frame-Silentite weather stripped white pine. Glass-Lustraglass, quality B, single strength, American Window Glass Co. Screens-full length "Prefit" with galvanized wire and hangers as furnished with the Silentite unit.

Curtis stock stairway parts with special turned newels. **FLOORS** 

Random width No. 1 common pine. Bathroom-1 x 4 in. No. 1 pine.

FLOOR COVERINGS

Bedrooms on second floor covered with felt and matting. Bathrooms-covered with linoleum, Armstrong Cork Products Co.

WALL COVERINGS

Bathroom and first floor-covered from floor to ceiling with Linowall, Armstrong Cork Products Co. Second floor bath—3 ft. 6 in. wainscot of Linowall.

WOODWORK

Paneling-knotty white pine in living room and dining room, wainscot in kitchen. Trim, shelving and cabinets stock Curtis white pine. Doors, interior—6 panel knotty white pine, manufactured by local mill. Doors, exterior-stock Curtis white pine. Garage doors-made by local mill and equipped with Curtis up-and-over hardware.

HARDWARE

Interior-cast iron, rim locks, wrought brass knobs. Yale & Towne Mfg. Co.

PAINTING

Interior: Walls-kitchen and baths painted above wainscot and ceiling, Bever Products Co. Ceilings-wood ceilings on first floor stained and waxed with wax, Acme Paint & Color Co. Trim and sash-wax stain. Exterior: Walls and sash-painted with Cabot's Old Virginia white.

ELECTRICAL INSTALLATION

Wiring system—knob and tube. Wire by Providence Insulated Wire Co. Switches—Bryant Electric Co. Fixtures—direct, Radiant Lighting Fixtures Co.

KITCHEN EQUIPMENT

Stove-Hotpoint, General Electric Mfg. Co. Refrigerator—Frigidaire, General Motors Co. Sink—Standard Sanitary Mfg. Co. Cabinet—stock Curtis.

BATHROOM EQUIPMENT

Lavatory, tub, toilet-Standard Sanitary Mfg. Co. Seat-Church Mfg. Co. Cabinet-stock Curtis.

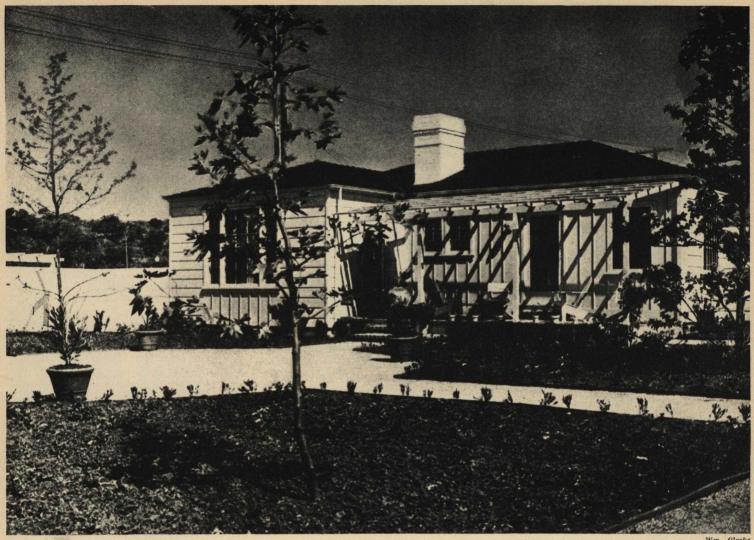
PLUMBING

Pipes-Standard Sanitary Mfg. Co.

HEATING

Hot water-Standard Sanitary Mfg. Co. and American Radiator, combined. Boiler-coal hand fired, American Radiator Co. Radiators-Corto, American Radiator Co. Hot water heater-coal burning stove, Standard Sanitary Mfg. Co.

## 11-12. HOUSES FOR G. HOLBROOK AND F. CAREW,



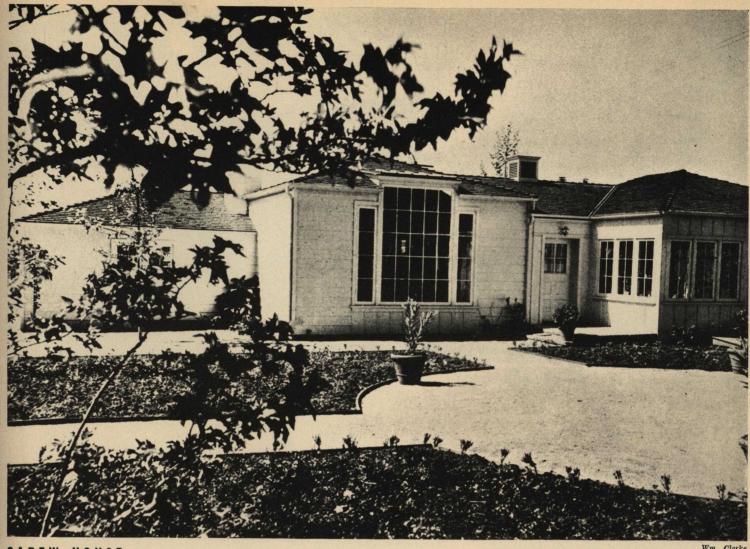
LBROOK HOUSE

Wm. Clarke

PROBLEM: Two houses with a common garden, the one to have a large living room with studio space and north light, the other a subordinate main entrance with a patio off the living room. All bedrooms to have private baths. The houses to be so planned that either one can be sold.

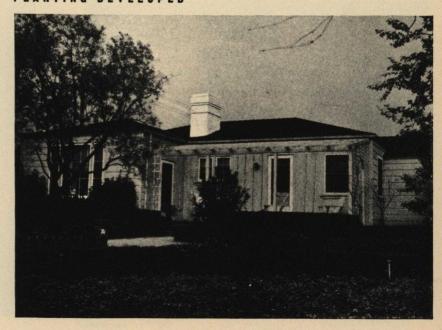
An unusual problem in which the architect successfully demonstrated on a miniature scale the advantages of community planning. Built on adjoining lots, each 70 x 100 ft., with a large common garden between, each house retains a distinct degree of privacy with its own intimate terrace and patio space. To keep down the cost of construction, the architect chose stout, inexpensive materials, designed informal, nicely detailed individual homes. In both cases he varied the plans to meet the individual requirements without losing the basic relationship of one house to the other. All water, sewer, gas and other utility connections were kept entirely distinct to avoid difficulties should either property be sold. The landscape design is by Conrad Konrad. Cost: each house \$4,400. Cubage: 23,065 at a little over 19 cents.

## LOS ANGELES, CALIFORNIA, JONATHAN RING, ARCHITECT



CAREW HOUSE

## PLANTING DEVELOPED



## HOLBROOK AND CAREW HOUSES, LOS ANGELES, CALIF.

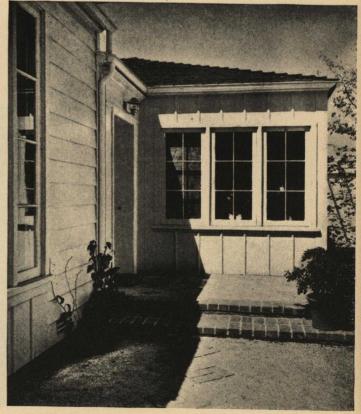


THE TWO HOUSES AND GARDEN

## DETAILS

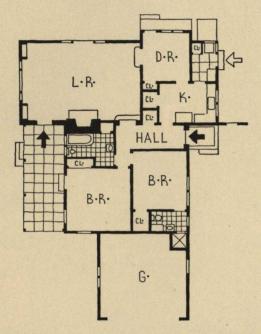


Wm. Clarke



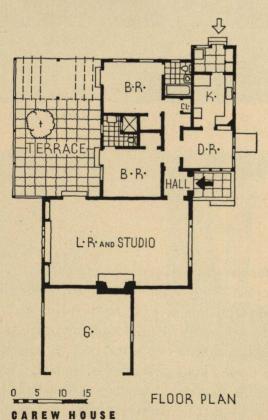
Wm. Clarke

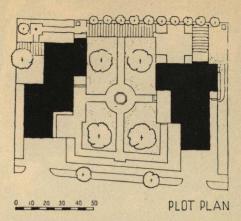
PLAN: In accordance with both clients' wishes, bedrooms and dining rooms were kept as small as possible without sacrificing the mass interest of the exterior. In both cases, the attached garages have been placed in front, allowing all living portions of the houses to face the garden, and gaining quiet by their distance from the street.



FLOOR PLAN

## HOLBROOK HOUSE





### CONSTRUCTION OUTLINE

Walls-6 in. concrete under outside walls, 4 x 4 in. posts 6 ft. o.c. under 4 x 6 in. girders supporting floor joists. Cellar floor-cement.

### STRUCTURE

Exterior walls-2 x 4 in. studs, siding outside, plaster inside. Interior partitions 2 x 4 in. studs, plastered. Floor construction—2 x 6 in. joists on 4 x 6 in. girders 6 ft. apart, common sub-floor. Ceiling finish-plaster.

Construction—2 x 4 in. rafters with shingle strips 1 x 3 in., 5 in. o.c. Finish-5 in 2 in., 16 in. western red cedar, 5 in. exposure.

Common brick, 9 in. Fireplace-damper, Superior Fireplace Co. SHEET METAL WORK

Flashing-galvanized iron, Armco 26 gauge. Gutters and leaders—galvanized iron, Armco 24 gauge. INSULATION

## None.

WINDOWS

Sash—casement and double hung, California pine 1% thick. Frame—Douglas fir. Glass—quality B, flat drawn single strength, Libbey-Owens-Ford Glass Co. Screens -galvanized No. 14 wire mesh in 34 x 2 in. California pine frames. FLOORS

Living room, bedrooms and halls, 1/2 x 2 in. white oak, 2nd grade plain sawn. Bathrooms-tile, matt glaze. Porches—common brick laid in 2 in. bed of sand. WALL COVERINGS

All wall finish furnished by owner except: kitchen, Sanitas enameled. Bathrooms-tile wainscot in shower compartment.

### WOODWORK

Trim-Douglas fir. Shelving and cabinets-California pine. Doors, interior-California pine, stock, 4 molded raised panels, 1% in. thick. Doors, exterior—California pine, special design, 134 in. thick. Garage doors-Douglas fir, board and batten type, special design.

## HARDWARE

Interior-butts painted, bright brass locks, Sargent & Co. Exterior-galvanized iron painted, entrance door brass.

## PAINTING

Interior: Ceiling—sand finish calcimined. Floors—stained and waxed. Trim—Douglas fir, enameled 3 coats. Sash—enameled inside. Exterior: Walls—3 coats lead and oil paint, Fuller Paint Co. Roof-1 coat Creosote stain, Samuel Cabot. Sash—3 coats lead and oil. ELECTRICAL INSTALLATION

Wiring system-rigid conduit, Steel & Tubes, Inc. Switches-Bryant Electric Co.

## KITCHEN EQUIPMENT

Sink—acid resisting porcelain enameled, Standard Sanitary Mfg. Co. Cabinet—California pine. Wash tray—Kohler Co.

### BATHROOM EQUIPMENT

Lavatory and tub—enameled iron. Toilet—porcelain, all by Kohler Co.

## PLUMBING

Pipes—galvanized iron 3/4 in. throughout. Cesspool—30 ft. deep.

## HEATING

Warm air, 2 unit heaters controlled by push buttons in rooms. Hot water heater-30 gal. gas automatic storage type.

## 13. HOUSE FOR DR. RAYMOND C. PARKER, CLAYTON, NEW YORK



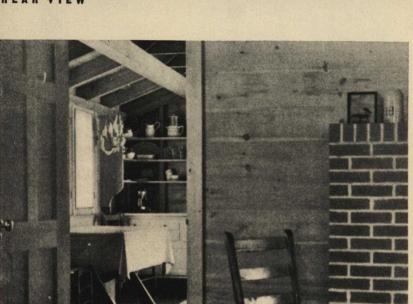
PROBLEM: A small house for one person. The site: a point of land—two acres, extending north into river from Grinstone Island, bounded on three sides by water. The house to have provision for guests: two bunks in the bedroom and a double bed in the living room.

The rustic setting and the owner's desires called for the simplest possible expression of his requirements. The architect wisely designed a plain, compact Cape Cod type of cottage, with central chimney and shingled walls. In the interior, however, he departed from the usual Early Colonial and left the wood sheathing and rafters exposed. The result is both pleasing and satisfactory. The fireplace, without wood mantel or frills, is as simply constructed as the rest of the house, and reiterates the desire of the architect not to dress up the house. Well proportioned, a bay window with a built-in seat balances the large fireplace. The cost would have been less had it not been necessary to transport by boat, labor and materials from the nearest settlement seven miles away. Cost: \$2,222. Cubage: 6,827 at about  $32^{1/2}$  cents.

## ROBERT S. HUTCHINS, ARCHITECT



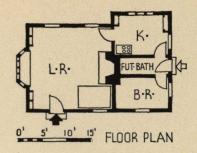
REAR VIEW



LIVING ROOM-KITCHEN



LIVING ROOM



PLAN: The plan is as compact as it is simple. The imposition of the double bed in the living room makes the only access to the bedroom through the kitchen, a minor consideration. With space provided for a future bathroom, equipment will be installed later.

### CONSTRUCTION OUTLINE

FOUNDATION

Footings—continuous poured concrete. Waterproofing—tar felt, all walls and floors.
STRUCTURE

Exterior walls—Creo-dipt shingles, tar felt, horizontal wood sheathing, wood studs exposed inside. Interior partitions—wood studs with flush jointed ship lap boards. Floor construction—wood joists, tar felt, rough and finish flooring, fir. Ceiling living room exposed joists and ties.

ROOF

Construction—wood rafters, ties, sheathing and tar felt. Finish—Creo-dipt shingles.

Common brick with firebrick hearth. Fireplace with asbestos insulation, Heatilator Co. SHEET METAL WORK

Flashing-16 oz. copper. Roofing over bay windowcopper.
INSULATION

None.

WINDOWS

Sash-wood casement, white pine. Storm shutters to fasten from inside. Screens-inside, in wooden frames. FLOORS

Wood throughout.

WOODWORK

Trim, shelving and cabinets, pine, local millwork. Doors, interior and exterior—solid six panel, pine. HARDWARE

Interior and exterior-Yale & Towne Mfg. Co. PAINTING

Interior: Walls-ceilings, trim and sash left natural. Floors—stained dark and waxed. Exterior: Walls and roof—Creo-dipt shingles, silver gray. Sash—white, 4 coats of lead and oil.
ELECTRICAL INSTALLATION

None.

KITCHEN EQUIPMENT

Stove-kerosene.
BATHROOM EQUIPMENT

None.

PLUMBING

HEATING

Warm air circulating generated by Heatilator fireplace, centrally located to serve three rooms.

SPECIAL EQUIPMENT

Venetian blind on large bay window.

## 14. HOUSE FOR HARRY C. WELLER, PULLMAN, WASHINGTON



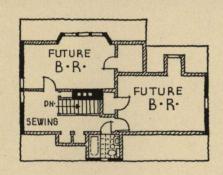
PROBLEM: Given a sloping corner lot 100 x 120 feet with a superlative view to the north, to design a house for two people so that the full natural advantage of the location is retained. Covered connection with the garage required.

In designing this house, the architects were obviously restricted by the topography, there being but one level place on the site where a car would drive in. Orienting the garage, they composed the house from that spot. The exterior conforms to the general character of the surrounding country while the plan satisfies all the requirements. The abrupt drop of the terrain in the rear permitted the construction of a game room in the basement that takes full advantage of the view to the north. The walls in the living room repeat in wainscoting the wood paneling found over the fireplace. The combination living and dining room opens on three directions and large portions of the wall space have been given over to windows. Despite the gangling appearance of the plan, it is actually quite compact, with all rooms except the garage easily accessible from the entrance hall. By leaving the second floor unfinished, the cost of the house was accordingly kept down. Cost: \$4,877. Cubage: 27,700 at a little over  $17\frac{1}{2}$  cents.

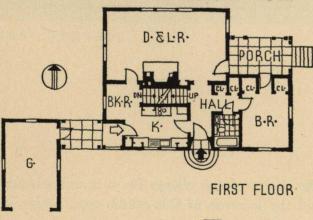
## SMITH AND WELLER, ARCHITECTS

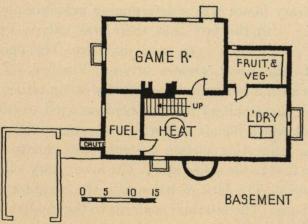


LIVING ROOM



SECOND FLOOR





### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-concrete.Cellar floor-4 in. concrete slab. Game room floor-rough shiplap floor on 2 x 2 in. sleepers, finish floor factory grade maple.

STRUCTURE

Exterior walls—2 x 4 in. stud wall, rough sheathing, building paper, 24 in. Royal Shingles, 10 in. to weather. Interior-wood lath and plaster. Interior partitionswood lath and plaster. Plastering three coats, sand finish throughout except putty coat in kitchen and bathroom. Floor construction—2 x 12 in. wood joist construction bridged once for narrow spans, twice for wide spans. Ceiling finish three-coat plaster on wood lath.

ROOF

Western red cedar shingles,  $4\frac{1}{2}$  in. to the weather, laid over open sheathing; sheathing laid tight at eave line and covered with one layer of heavy building paper.

CHIMNEY

Hard burned common brick. Fireplace facing and hearth—select common brick. Lining—12 x 12 in. terra nearth—select common brick. Lining cotta. Damper—H. W. Covert Co. SHEET METAL WORK Flashing—Armco Tin. INSULATION

Attic floor-3 in. of Unifil. Weatherstripping-Banner. WINDOWS

Sash—double hung, Idaho white pine. Frame—Idaho white pine. Glass—quality B, Libbey-Owens-Ford. Screens—two panel screens with galvanized mesh. FLOORS

Living room-random width V groove oak flooring, Tavern grade, put down with pegs, Bruce Co. Bed-rooms—vertical grain fir. Halls—oak. Kitchen and bathrooms—wood covered with linoleum, Armstrong Cork Products Co. Porches-vertical grain fir-WOODWORK

Trim-pine in kitchen and bathroom. Knotty Idaho white pine in hall, living room, and for wainscot around living room. Ceiling beams in living room, Douglas fir. Shelving and cabinets—Idaho white pine. Doors, interior—Idaho knotty white pine made special and fir doors. Doors, exterior—main entrance door made up special of Idaho white pine. Other exterior doors and garage doors, Douglas fir.

HARDWARE

Interior and exterior-pounded black iron.

PAINTING

Interior: Walls-calcimine, kitchen and bathroom walls enameled. Ceiling—calcimine. Floors—finished with Bruce floor finish and waxed. Trim—hall and living room finished with Bruce floor finish and waxed. Bedroom, oil stain; kitchen trim and cupboards, enamel, W. P. Fuller Co. Sash—finished to match woodwork in each room. Exterior: Walls—I coat Concreta, Sash—3 coats paint W. P. Fuller Co. Book J. creta. Sash—3 coats paint, W. P. Fuller Co. Roof—1 coat roof stain, Jones & Dillingham.

ELECTRICAL INSTALLATION

Wiring system—BX. Switches—toggle. KITCHEN EQUIPMENT

Stove-Westinghouse. Refrigerator-Kelvinator. Sink-Crane Co. Cabinet—built to detail.

LAUNDRY EQUIPMENT

Sink—two compartment laundry tray. Washing ma-chine—Thor washer and mangle, Hurley Machine Co. BATHROOM EQUIPMENT

Lavatory. Tub—built in. Toilet, fixtures by Crane Co. PLUMBING

Pipes-wrought iron throughout.

HEATING

Gravity warm air system with ducts. Hot water heater -electric.

SPECIAL EQUIPMENT

Radio outlets in living room and game room.

## 15. HOUSE FOR RAY BOYNTON, BERKELEY, CALIFORNIA



VIEW FROM ROAD

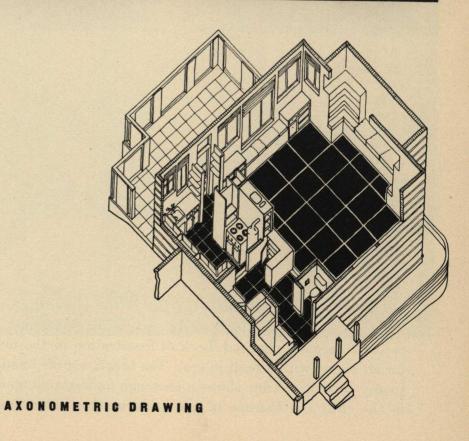
Richardson Photos

The shadow cast by a neighboring house, and the desire of the clients for a flower garden and an unrestricted view of the Golden Gate, dictated the location of this studio-type house on the corner of the lot nearest the sidewalk. This arbitrary factor was a determining influence on plan and design. Heavy traffic on the corner, together with the fact that there was only a limited view beyond, led to a concentration of window area on the open west exposure. The partially protected patio, despite its apparent proximity to the street, creates privacy. Further, its easy accessibility to the kitchen permits outdoor meals with a minimum of effort. By oiling rather than painting the exterior redwood boards of the house, the architect has achieved an aged, rustic appearance which is not only attractive in itself, but which blends well with its surroundings. Horizontal and vertical boards on the sides create an interesting surface pattern, their change of direction serving to mark the transition from the first to the upper story. The lower story windows reflect the requirements of the interior arrangement. The lack of balance in the irregular shape of the windows is not uncommon in this type of house. The interiors conform to the modern trend

# MICHAEL GOODMAN, ARCHITECT



LIVING ROOM TERRACE

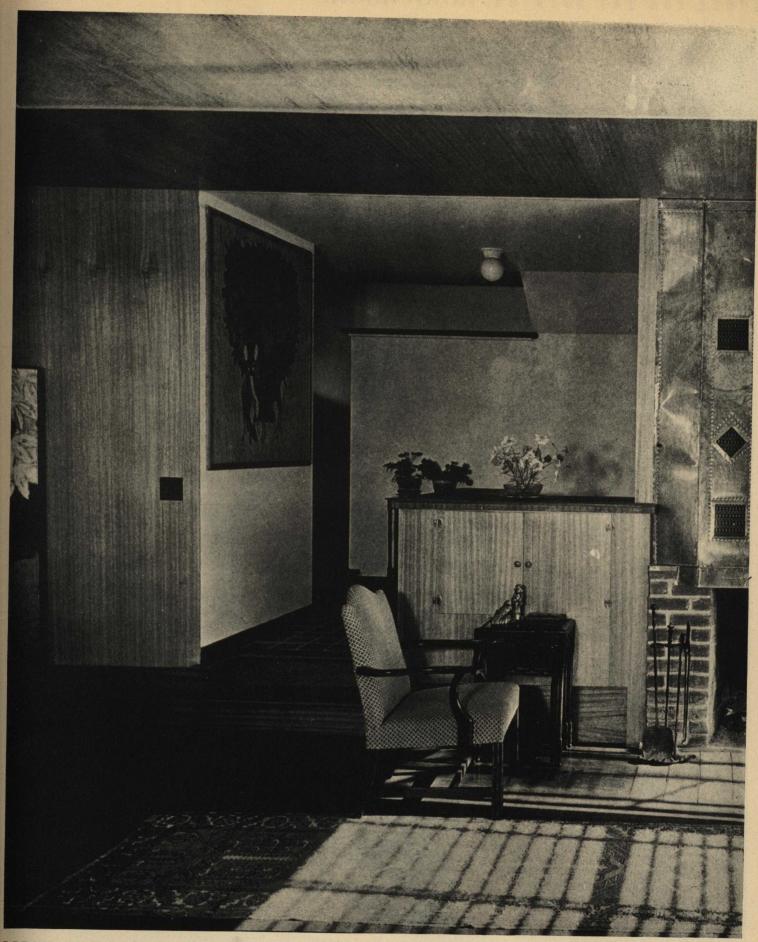


## HOUSE FOR RAY BOYNTON, BERKELEY, CALIFORNIA



LIVING ROOM

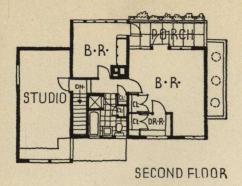
of built-in details to increase the size of the established room dimensions. The handling of the living room has been particularly smart. The floor, walls, and ceiling have been finished throughout in mahogany plywood. Lack of fenestration in the north wall has permitted use of this span for an alcove with a built-in seat. The broad, simple handling of the wall spaces, without recourse to any decorative trim, shows a thorough understanding of the material and is an additional factor in the clear cut solution of the problem. Cost: \$3,800. Cubage: 19,476 at about  $19\frac{1}{2}$  cents.

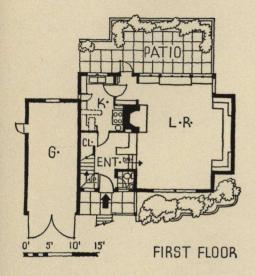


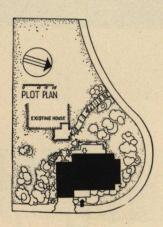
DETAIL-LIVING ROOM



SERVICE ENTRANCE AND KITCHEN







PLAN: Designed for a couple who asserted their prerogative in locating the site, the architect has made a compact two-story house that makes no provision for either servants or expansion. One interesting feature of the plan is the fact that although no specific provision has been made for a dining room, two areas lend themselves to this use: the living room and the patio. Like a good many California designs, there is no direct access from the house to the garage even though, as in this case, the garage is part of the house. The upper floor is mainly given over to sleeping quarters, both bedrooms opening out to the upper porch. A studio has been constructed over the garage and, in case of need, can be converted into a guest room. Provision has been made for a cellar but, although excavated, it has not been finished.

## CONSTRUCTION OUTLINE

FOUNDATION

Walls-piers and continuous, reenforced concrete. Basement-excavated but not finished.

STRUCTURE

Exterior walls-1 in. redwood boards and battens, or rustic on double-kraft building paper on 1 in. O.P. sheathing and studding. Interior finish  $\frac{1}{4}$  in. plywood. Interior partitions—all interior finish  $\frac{1}{4}$  in. plywood, either mahogany, Oregon pine or maple. Floor construction—wood joists, double-kraft building paper on 1 in. diagonal sub-flooring, all ceilings 1/4 in. plywood. ROOF

Construction—wood Joists covered with diagonal 1 in.
Oregon pine sheathing. Finish—4 ply tar and gravel,
Paraffine Co., Inc. Deck finish—12 oz. canvas, painted. CHIMNEY

Common brick. Lining—terra cotta 13 x 18 in. flue lining. California Clay Products Co. Damper—Miller. SHEET METAL WORK

Flashing and leaders-No. 24 gauge galvanized iron. American Rolling Mill Co. Gutters-California redwood. INSULATION

None.

WINDOWS

Sash—wood, white pine casement. Frame—redwood sills, white pine Jambs and heads. Glass—grade B, single strength, Libbey-Owens-Ford Glass Co. Calking—Hydroseal, The Paraffine Co., Inc. Venetian blinds -Ry-Lock Co.

STAIRS

Oregon pine throughout. FLOOR

Living and bedrooms—½ in. mahogany (ribbon grain) on ½ in. O.P. plywood in 4 x 4 ft. squares. Halls—select plain white oak, ½ x 2 in. T. & G. Kitchen quarry tile, diamond pattern, California Tile Company. Bathrooms-vertical grain pine.

WOODWORK

Trim-California white pine. Shelving and cabinetskitchen cabinets Oregon pine plywood. Living room cabinets, mahogany plywood. Doors, interior—Oregon pine plywood flush doors; built-up on Job, painted. Doors, exterior—mahogany plywood front door. All others glazed Oregon pine painted. Garage doors same as interior doors.

HARDWARE

Interior—Schlage hardware throughout. Exterior— Valentine reversible hinges for all casement sash. Schlage hardware for doors.

PAINTING

Interior: walls and ceilings—mahogany and maple plywood, shellacked, sanded and waxed. Oregon pine in kitchen and baths, painted. Others stained. Floors filled and stained and waxed. Bath floors painted with porch and deck paint. Trim—stained. Exterior: walls—rustic and boards and battens, oiled with 2 coats of boiled linseed oil. Sash—painted. All paint materials by Sherwin-Williams.
ELECTRICAL INSTALLATION

Wiring system—knob and tube. Switches—General Electric flush tumbler type. Fixtures—Sears, Roebuck kitchen units in kitchen and baths. All others built-in

ceiling boxes.
KITCHEN EQUIPMENT

Stove-Wedgewood gas range, James Graham Mfg. Co. Refrigerator—5 cu. ft. Coldspot, Sears, Roebuck and Co. Sink—double compartment, Standard Sanitary Mfg. Co. Washing machine—Maytag Co. BATHROOM EQUIPMENT

Lavatory-18 x 24 in. vitreous china. Tub-5 ft. 6 in. enameled iron recess type. Toilet—vitreous china syphon Jet type. All fixtures by Standard Sanitary Mfg. Cabinet-built on Job.

PLUMBING

Pipes: Soil and waste-extra heavy cast iron. Ventgalvanized iron, pipes by Walworth Co. Water supply—cold water, wrought iron pipe, John Byers. Hot water, copper tubing, sweat fitting, Chase Brass & Copper. HEATING

Suspended floor gas unit heaters by Payne. Hot water heater-30 gal. galvanized iron tank automatic storage, Ruud Mfg. Co.

## 16. HOUSE FOR W. H. BADGETT, COLLEGE STATION, TEXAS

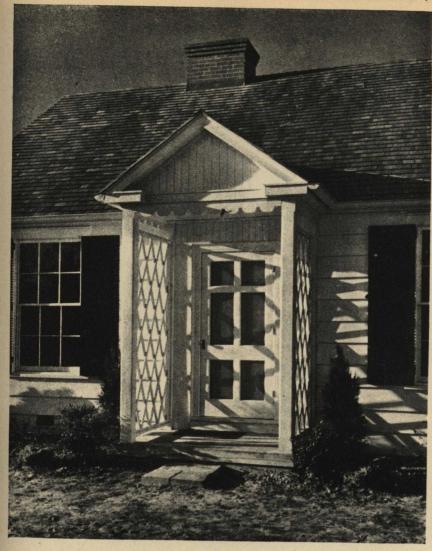


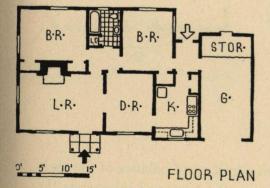
Howard Berry Photos

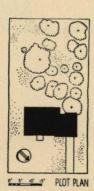
PROBLEM: House for a couple. The requirements: two bedrooms, a small dining room, an attached garage. Total cost not to exceed \$2,750.

Cost was the first consideration in the designing of this house. From the client's point of view it had to be simple and direct, not too small, yet compact and in good taste. The architects' interest was in soundness of construction, in the comfort and the convenience of the plan. The profusion of trees at the rear of the lot dictated that the house be built near the street, that the attached garage face the street. The architects designed a pleasing, simple exterior. The main entrance dominates the front, the large window areas balance the door. Cost: \$2,700. Cubage: 15,850 at about 17 cents.

# J. COSBY BYRD AND W. H. BADGETT, ARCHITECTS







PLAN: The plan is a fine example of the utilization of all available space. Despite the small cubage, the rooms are ample. The bedrooms, on the side away from the street, are sensibly placed on either side of the bathroom. The kitchen has adequate working area. The garage opens into a small service porch which connects not only with the kitchen and the outside, but also with one of the bedrooms.

## CONSTRUCTION OUTLINE

FOUNDATION

Footings-continuous concrete beam on piers.

STRUCTURE

Exterior walls-1 x 12 in. yellow pine clapboard, 15 lb. felt, 1 x 6 in. yellow pine sheathing, 2 x 4 in. studs. Inside 1 x 6 in. yellow pine sheathing, wall paper. Interior partitions—1 x 6 in. yellow pine on 2 x 4 in. studs and sheathing. Floor construction—2 x 10 in. joists, 1 x 6 in. yellow pine laid diagonally for sub-floor, 15 lb. felt between. Ceiling-wall paper on 1 x 6 in. sheathing.

ROOF

Construction-2 x 6 in. yellow pine rafters, 1 x 4 in. nailing strips, wood shingles. Finish-No. 1 Perfection shingles.

SHEET METAL WORK

Flashing, gutters and leaders-26 gauge galvanized iron, Toncan, Republic Steel Corp.

INSULATION

WINDOWS

Sash-double hung, white pine, except kitchen which has twin casements, operators on casement, Wm. Cameron & Co. Glass—double strength, Libbey-Owens-Ford Glass Co. Screens—bronze wire, white pine frames. Blinds-white pine, Wm. Cameron & Co.

FLOORS

All rooms--red oak, No. 1, 1 x 3 in. Kitchen and bathcovered with inlaid linoleum, Armstrong Cork Products Co.

WALL COVERINGS

All rooms, walls and ceilings—papered, New York Wall Paper Co. Bathrooms—Masonite wainscot.

WOODWORK

Trim and cabinets-detailed white pine, Wm. Cameron & Co. Doors, interior and exterior-white pine, 6 panel Colonial. Garage doors-yellow pine, made on Job, V-Joint car siding, herring bone fashion, four doors folding and rolling on inside.

HARDWARE

Interior and exterior-forged finish, Colonial, Sargent & Co.

PAINTING

Interior: Floors-filler floor seal, 2 coats wax, Sherwin-Williams Co. Trim and sash-satin finish enamalastic, E. I. Du Pont. Exterior: Walls and sash-outside white, 3 coats, Sherwin-Williams Co.

ELECTRICAL INSTALLATION

Wiring system—knob, tube and loom. Switches— Despard type, Pass & Seymour, Inc. Fixtures—West-inghouse Electric & Mfg. Co.

KITCHEN EQUIPMENT

Stove-gas, G. D. Roper Corp., Rockford, III. Refrigerator-Westinghouse Electric & Mfg. Co. Sink-Duo-

strainer, Kohler Co. BATHROOM EQUIPMENT

Lavatory, tub-recessed by Kohler Co. Toilet-T/N one piece, W. A. Case & Son Mfg. Co. Cabinet and heater-The F. H. Lawson Co., Cincinnati, O. PLUMBING

Pipes-cast iron and steel. Water supply-galvanized

iron. Septic tank.

HEATING

Wood burning fireplaces and gas space heaters, Ohio Furnace & Mfg. Co. Hot water heater-De Sota automatic storage type, Ruud Mfg. Co.

## 17.. HOUSE IN LOUISVILLE, KENTUCKY



Fischer Photos

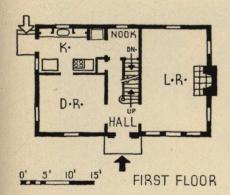
PROBLEM: House for a couple with two children.

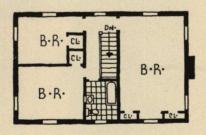
Both in structure and plan the architect has adhered to the calm dignity and balance of the early Colonial. With brick veneered walls painted to match the white trim, the center of interest is the carefully detailed doorway, surmounted by a broken pediment. The blinds are green. Further interest is focused on the entrance by the shrubbery which might well have been continued around the sides of the house. The handling of the interiors has been clean and direct. This house is one of 350 small houses designed by this architect during the last three years. In no case has he used an identical plan. The exteriors have been varied by using new brick in lieu of old, different types of front entrances and cornices, additions of side porches, etc. Cost: \$4,750. Cubage: 22,200 at a little over 21 cents.

## EDGAR W. ARCHER, ARCHITECT



KITCHEN-DINING ALCOVE





SECOND FLOOR

PLAN: The plan is conventional, the sole innovation being the small allotment of space for a breakfast nook near the kitchen. Access from the master's bedroom to the bath is inconvenient. Including a full basement, part of which is converted into a one-car garage, the living portions of the room provide ample room for the family.

### CONSTRUCTION OUTLINE

Walls-10 in. concrete. Cellar floor-4 in. concrete. Waterproofing-Speed's waterproof cement for floors. STRUCTURE

Exterior walls-4 in, brick veneer, 1 in, air space, Sisalkraft paper, 2 x 4 in. studs. Inside rock lath and plaster. Interior partitions—studding, rock lath, patent plaster, U. S. Gypsum Co. Floor construction—2 x 10 in. wooden joists, 16 in. o. c., plaster ceiling. Attic floor-2 x 6 in. wooden joists and plaster ceiling. ROOF

Construction—wooden rafters, covered with composition shingles on sheathing, Philip Carey Co. CHIMNEY

Lining-12 x 12 in. terra cotta. Fireplace-patent

damper. SHEET METAL WORK

Flashing, gutters and leaders—galvanized iron. INSULATION

Outside walls-rock lath, U. S. Gypsum Co. Attic floor-Celotex. Weatherstripping-copper.

Sash-wood double hung, mill built, Brickley Lumber Co. Basement, metal casement. Glass—quality A, double-strength, Pittsburgh Plate Glass Co. Screens— Vista, frame stationary. Blinds-mill made.

All sap gum, select.

FLOOR

Living room and halls—oak,  $1\%_6$  x  $3\%_4$  in. ship deck. Kitchen and bedrooms—oak,  $5\%_6$  x  $1\%_3$  in., kitchen linoleum covered. Bathrooms-tile, hexagon 1 in. square. Porches—concrete.

WALL COVERINGS

Bedroom and halls-wall paper. Bathrooms-tile wainscot.

HARDWARE

Interior and Exterior-dull brass, Belknap.

PAINTING

Interior: Walls and ceilings-unpainted. Floors-filled, stained and shellacked. Trim, Doors and Sash—3 coats enamel, E. I. Du Pont. Exterior: Walls—3 coats white lead, sash and trim-3 coats white enamel, Cabot's Virginia paint.

ELECTRICAL INSTALLATION

Wiring system—BX cable and conduit. Switches— Bryant Electric Co. Fixtures—direct, Chase Brass & Copper Co.

KITCHEN EQUIPMENT

Sink—Crane Co. Cabinet—wood, mill made. BATHROOM EQUIPMENT

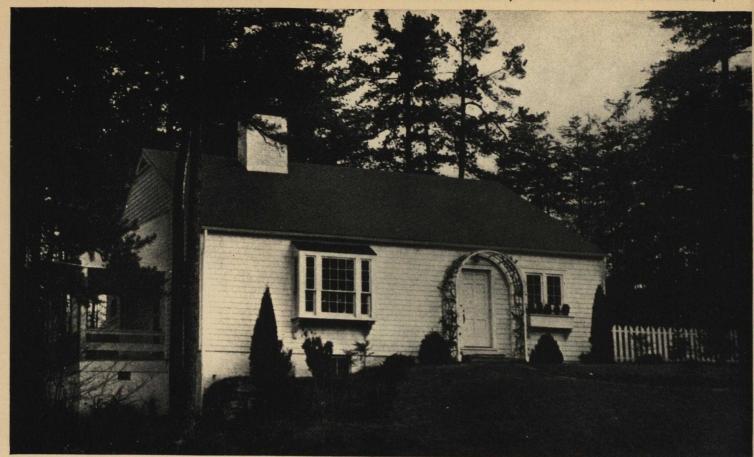
Fixtures-Crane Co. Cabinet-Fairfacts Co.

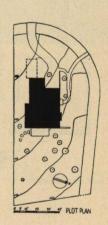
PLUMBING

Pipes—galvanized iron throughout. HEATING

One pipe steam, coal fired boiler. Thermostat-Minneapolis-Honeywell. Hot water heater-Ruud Mfg. Co.

## 18. HOUSE FOR MRS. EVELYN HATFIELD, WINSTON-SALEM,

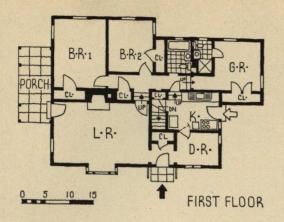


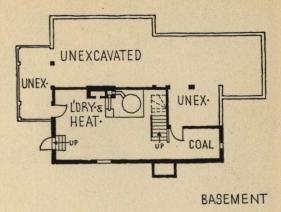


PROBLEM: A one-story house, suggesting Cape Cod antecedents, and providing bedrooms for the owner, her daughter, and a guest.

The requirements given by the owner were effectively solved, particularly in the matter of style, which suggests a Cape Cod ancestry without slavish adherence to precedent. The lines are simple and the scale of the house is intimate without any suggestion of deliberate picturesqueness. The living room bay, attractively treated on the interior, might have been enlarged better to light the room and to improve the facade. The porch, which opens off the living room, is noteworthy for the broad handling of its details and its pleasant proportions. Cost: \$4,144. Cubage: 19,388 at 21 cents.

## NORTH CAROLINA, LUTHER LASHMIT, ARCHITECT





PLAN: Two-way circulation from front door to bedroom; compactly placed plumbing. Crossventilation in all main rooms. Fireplace well located for furnishing. Ample closet space.



DETAIL

Johnston & Johnston

## CONSTRUCTION OUTLINE

Walls-local common brick, concrete footings. Cellar floor-concrete furnace platform, hard clay elsewhere. STRUCTURE

Exterior walls—N. C. pine studs, sawn red cedar shingles, black building paper and wood sheathing. Inside Sheetrock and 3 coats patent cement plaster, U. S. Gypsum Co. Interior partitions—N. C. pine studs, Sheetrock, patent cement plaster. Floor construction-N. C. pine Joists, subflooring, paper. ROOF

Construction-N. C. pine rafters, sheathing and felt. Finish—asphalt strip shingles, Bird & Son. CHIMNEY

Lining-terra cotta. Fireplace-damper, H. W. Covert

SHEET METAL WORK

Flashing, gutters and leaders-iron-copper alloy. WINDOWS

Sash-pine, stock double hung and casements. Glassquality A, single thick, Libbey-Owens-Ford Glass Co. Screens—pine frames, black wire, ½ screens, sliding.

Living room, bedrooms and halls-2nd quality red oak. Kitchen and bathrooms—pine covered with linoleum, Armstrong Cork Products Co. Porches—rift pine. WALL COVERINGS

Living room-wall paper and knotty pine paneling on fireplace wall. Bedrooms and halls-wall paper. Kitchen -Sanitas, Standard Textile Products Co. Bathroomsplaster and Masonite Temprtile, Masonite Corp. WOODWORK

Trim-poplar and knotty pine. Shelving, cabinets and interior doors-white pine. Doors, exterior-yellow pine, weatherstripped.

HARDWARE

Interior-mortise lever and tumbler locks, black cast metal trimmings. Exterior—cylinder mortise locks, black cast metal trimmings.

PAINTING

Interior: Floors-stain shellac and wax. Trim and sash -shellac and wax and 3 coats lead and oil. Exterior: Walls and sash—3 coats Cabot's Old Virginia white. ELECTRICAL INSTALLATION

Wiring system-non-metallic cable, Romex. Switchesflush tumbler.

KITCHEN EQUIPMENT

Stove—electric, Tappan Stove Co. Refrigerator—electric, General Electric Co. Sink—roll-edge enameled iron set in counter top, Kohler Co. BATHROOM EQUIPMENT

All fixtures by Kohler Co. Shower-enameled steel, Weis Mfg. Co.

PLUMBING

Pipes: Soil, waste and vent-cast iron, standard weight. Water supply—wrought iron. Galvanized iron hot water storage tank.

HEATING

Gravity warm air. Boiler-Holland Furnace Co. Fuelcoal, hand-fired. Hot water heater-laundry stove with coil for summer, coil in furnace for winter.

## 19. HOUSE FOR CAMPBELL CLARENDON, TAPPAN, N. Y.



Courtesy, Portland Cement Assn.

Built, both inside and out, of concrete cinder blocks, every bit of material and construction of this distinctive little house is modern. The paneled and cinder block interiors repeat the virile personality of the facade. The living room, largest room in the house, further increases its own size with wide built-in book cases, boasts a fireplace with a simple wood mantel. With three large bedrooms, and an attached garage, the home offers every provision for the comfort of two or three people who prefer living in a quiet modest way. The garage is attached although no direct or protected access to the house has been provided. The presence of a large bedroom on the first floor—which can be completely cut off from the rest of the house—makes an ideal guest room. The large amount of space devoted to storage on the second floor should prove useful. Cost: \$4,200. Cubage: 13,780 at  $30\frac{1}{2}$  cents.

## FRANK HARPER BISSELL, ARCHITECT

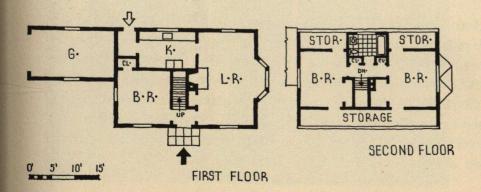


LIVING ROOM



BAY WINDOW

John Gass





### CONSTRUCTION OUTLINE

## FOUNDATION

Walls-concrete blocks on concrete footings. Cellar floor-concrete on cinder fill.

## STRUCTURE

Exterior walls-cinder blocks. Interior partitionssame. Floor construction-precast concrete Joists and slabs. Second floor-3 x 8 in. wood Joists, left exposed. ROOF

Construction-2 x 6 in. wood Joists and sheathing. Finish-asphalt slate surface shingles.

### CHIMNEY

Brick, terra cotta flue lining, patent throat damper. SHEET METAL WORK

Roof of bay window and flashing—copper. INSULATION

Rock wool between rafters.

## WINDOWS

Steel casements-Detroit Steel Products Co. Glassquality B, double thick. Screens—rolling copper. STAIRS

## Oak treads, pine risers.

## FLOOR

Living room—white oak. Bedrooms and halls—N. C. pine. Kitchen and bathrooms—linoleum.

### WALL FINISH

Living room—knotty pine paneling, all other walls painted with Medusa white, Portland cement paint. WOODWORK

## White pine throughout.

### HARDWARE

Interior and exterior—hand wrought iron. ELECTRICAL INSTALLATION Wiring system—BX. Switches—push button.

## KITCHEN EQUIPMENT

Stove and refrigerator—electric. Sink—Standard Sanitary Mfg. Co.
BATHROOM EQUIPMENT

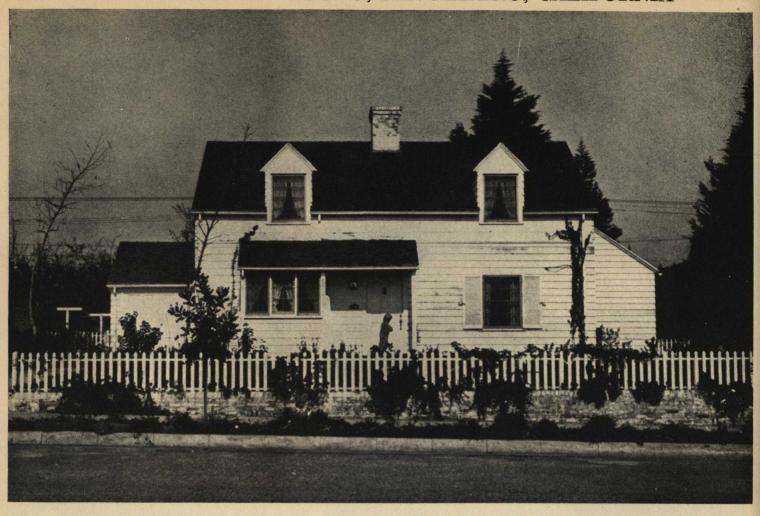
All fixtures by Standard Sanitary Mfg. Co.

### PLUMBING

Pipes: soil, cast iron; supply, brass.

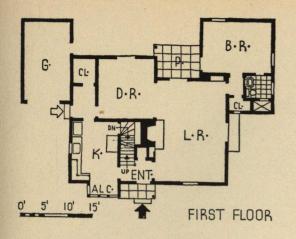
Steam. Boiler, radiators and valves-American Radiator Co. Oil burner-Timken. Gas fired hot water heater.

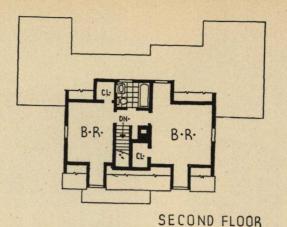
## 20. HOUSE FOR FRED YOUNG, SAN MARINO, CALIFORNIA



Fairly typical in its modified Colonial form, this West Coast house aspires to individuality by the projection of its kitchen to form, with the entrance, an important element in the exterior design. The only unusual requirement given by the owner, who shares the house with his widowed sister and her son, was that his bedroom be given a separate entrance so that he would not have to go through the living room if guests were being entertained. Contrary to customary landscaping practice the shrubbery was placed away from the house and massed against a picket fence, improving the appearance of the property as well as giving the occupants a certain amount of privacy. The interiors are more conventional in treatment. The house is situated on a lot 66 x 135 ft. Cost: exclusive of architect's fee \$5,000 Cubage: 20,632 at 24 cents.

## ARTHUR KELLY AND JOE ESTEP, ARCHITECTS





PLAN: The use of an open plan does much to increase the spaciousness of the living quarters. Garage and service entrance well located, with the kitchen conveniently close to the front door.





### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-continuous concrete. Cellar floor-cement. Waterproofing-Anti-Hydro in front wall of cellar. STRUCTURE

Exterior walls-Underpinning and Joists-Wolmanized, American Lumber and Treating Co. 2 x 4 in. Oregon pine stud wall with redwood siding on exterior and interior lath and plaster. Interior partitions—wooden stud and plaster, some partitions studs and 1 in. boards. Floor construction—first floor, 2  $\times$  8 in. Joists. Second floor—2  $\times$  10 and 2  $\times$  12 in. Joists, plastered ceilings.

ROOF

Construction-wood. Finish-Royal western red cedar

CHIMNEY

Common brick. Lining-terra cotta, wire cut brick fireplace face. Firebrick in fire box.

SHEET METAL WORK

Flashing, gutters and leaders-Toncan metal. 26 gauge, Republic Steel Corp. INSULATION

Armstrong Temlock insulating board on exterior walls and second floor ceiling.

WINDOWS

Double hung and casement, made of sugar pine. Frame—vertical grained Oregon pine. Glass—single strength, Libbey-Owens-Ford Glass Co. Screens—14 mesh bronze wire in sugar pine frames. Blinds—1½ in. movable slat shutters made of sugar pine.

Oak treads, vertical grained Oregon pine risers and stringers.

FLOORS

Living room, bedrooms and halls-oak. Kitchen-linoleum cemented to oak floor. Bathrooms-tile. Porchesbrick.

WALL COVERINGS

Living room and halls—wood paneling and plaster. Bedrooms—wall paper. Kitchen—Sanitas. Bathrooms— Sanitas and tile wainscot.

WOODWORK

Trim, shelving and doors, interior-vertical grained Oregon pine. Exterior doors and garage doors-vertical grained sugar pine.

HARDWARE Colonial brass throughout.

PAINTING

Interior: Ceilings-tinted. Floors-stained and waxed. Trim and sash—4 coats enameled with glaze coat. Exterior: Walls and sash—3 coats lead and oil paint.

ELECTRICAL INSTALLATION

Wiring system—rigid conduit and switches, General Electric. Fixtures—specially designed.

KITCHEN EQUIPMENT

Stove—gas. Refrigerator—Electrolux, gas. Sink—acid resisting enamel iron, Standard Sanitary Mfg. Co. BATHROOM EQUIPMENT

All fixtures by Standard Sanitary Mfg. Co.

PLUMBING

Pipes-soil, cast iron; vents and supply-genuine wrought iron.

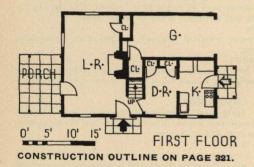
HEATING

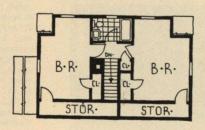
Warm air unit heating systems, gas fired and controlled by pilot light and push button. Hot water heater-Superbo Mfg. Co.

# 21-25. HOUSES FOR WEST VIRGINIA COAL LAND CO.



Rollinger





SECOND FLOOR

Cost: \$4,700. Cubage: 15,348 at 301/2 cents.

PROBLEM: A block of houses designed for sale.

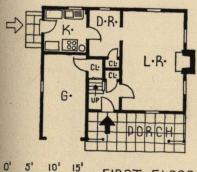


GENERAL VIEW OF HOUSES

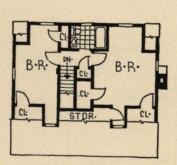
# KANAWHA CITY, W. VA., WARNE, TUCKER AND SILLING, ARCHITECTS



Bollinger



CONSTRUCTION OUTLINE ON PAGE 321



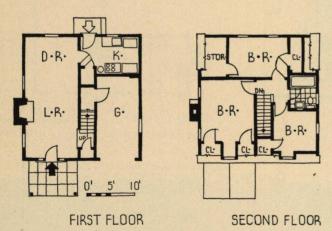
SECOND FLOOR

Cost: \$4,820. Cubage: 15,860 at 30 cents.

An enterprising and public-spirited banker was convinced by the architects that capital invested in houses would bring a twofold return—direct profit and indirect local business stimulation. The houses were offered on a 10 per cent above cost basis, this representing the down payment with the balance payable in monthly installments competitive with neighboring properties. The results exceeded anticipation. The houses were all sold upon completion and proved to be the primer which set off a local construction boom, proof again that in many U.S. communities today there exists a potent demand

## HOUSES FOR WEST VIRGINIA COAL LAND CO., KANAWHA CITY, W. VA.



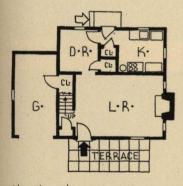


CONSTRUCTION OUTLINE ON PAGE 321

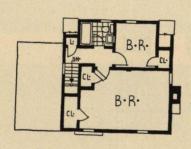
Cost: \$4,725. Cubage: 15,536 at 301/2 cents.

for well-built, well-designed, low cost houses. Although many of the houses which followed ranged around the \$10,000 figure and eight or ten exceeding even \$15,000, all of the houses shown here are in the under \$5,000 class. Eight in all, five basic plans were used, three repeated, a factor that played its part in keeping the final cost below the established price limit. While all are similar in construction and appearance, the architects sufficiently varied the exteriors to satisfy even the most individualistic prospective owner. One house was given a gambrel roof, another sports a pedimented doorway. By





FIRST FLOOR CONSTRUCTION OUTLINE ON PAGE 321



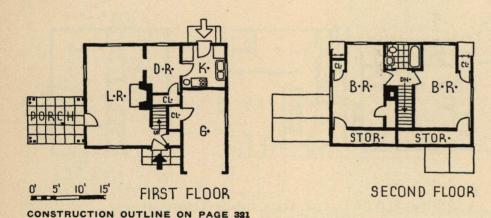
SECOND FLOOR Cost: \$4,610. Cubage: 14,880 at 31 cents.

arbitrarily changing the location of the dormers and chimneys, porches and doors, the architects have been able to retain a consistent character without monotonous repetition. The plans show greatly modified treatment of the ground floors. In several, the entrance hall was omitted entirely, in others a small one was provided. One house finds the dining room running into the living room, another separates the two with a front hall. In all but one case the garage has been placed in front, in three out of five the black-topped chimney has been set in the side wall, twice in the center.

## HOUSE FOR WEST VIRGINIA COAL LAND CO., KANAWHA CITY, W. VA.



Bollinger

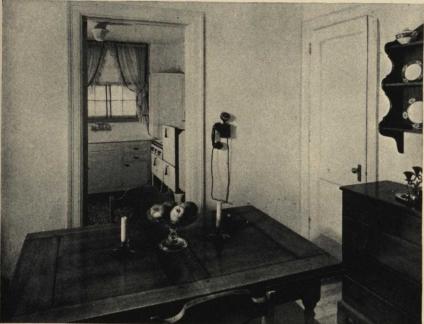


Cost: \$4,710. Cubage: 14,855 at 311/2 cents.

In all cases the first floor has provided the same number of rooms, the same approximate amount of floor area. The second floor plans are very similar, only one showing more than two bedrooms. Grouping of these houses around a central landscaped court with the backs of the houses facing the street suggests a further desirable feature if this plan is repeated. In price the houses range from \$4,610 to \$4,820. In cubage area from 14,855 to 15,860 at a cost of from 30 to 31 cents.



LIVING ROOM



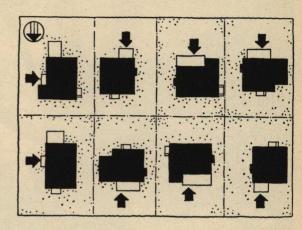
DINING ROOM



KITCHEN

Bollinger Photos

### THREE TYPICAL INTERIORS



20' 50' 70

PLOT PLAN

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls-continuous wall of load bearing tile on concrete footing

STRUCTURE

Exterior walls—2 x 4 in. studs, 16 in. o.c., % in. sheathing, building paper, wood siding or wood shingles. Inside—Rocklath plaster base and ¾ in. plaster, hard white finish. Interior partitions—2 x 4 in. studs 16 in. o.c., Rocklath plaster base and ¾ in. plaster both sides. Floor construction—2 x 10 in., 16 in. o.c., % in. oak sub-floor.

ROOF

Construction—wood rafters, 2 x 6 in., 16 in. o.c.,  $\frac{\pi}{2}$  in. wood sheathing, felt paper. Finish—wood shingles. CHIMNEY

Common brick with terra cotta flue linings, steel Common brick with terra cotta flue linings, steer throat and damper, fire brick fireplace lining, brick hearth and facing with stock Colonial mantel. SHEET METAL WORK Flashing—tin. Gutters and leaders—galvanized iron.

INSULATION

Roof-2 in. rock wool.

WINDOWS

Wood, double hung. Glass—quality A, double strength, Libbey-Owens-Ford Glass Co. Blinds—wood. STAIRS

Pine stringers, oak treads, gum risers.

FLOORS

All rooms—first quality red oak except bathroom which has tile floor and base. Porches—cement and tile.

WOODWORK

Trim-gum. Shelving and cabinets-poplar. Doorswhite pine. Garage doors-white pine, overhead and

side hinged. HARDWARE

Interior-Colonial brass; exterior-Swedish iron, P. & F. Corbin Co.

PAINTING

Interior floors—filler, 2 coats varnish and wax. Trim and sash—5 coats enamel, Ripolin, Glidden Co. Exterior walls—2 coats double white. Roof—Creosote stain. Sash—3 coats double white, all exterior paint by Samuel Cabot, Inc.

ELECTRICAL INSTALLATION

Wiring system-BX. Switches-Despard, Pass & Seymour, Inc. KITCHEN EQUIPMENT

Sink-cabinet type, Crane Co.

BATHROOM EQUIPMENT

All fixtures by Crane Co. Medicine cabinet-Corcoran, Fries & Son Steel Construction and Engineering Co. PLUMBING

Soil and waste-cast iron, galvanized iron vents and 87 per cent brass for supply.

HEATING

Unit gas heaters. Hot water heater-tank with thermostatic controlled coil heater, gas fired.

### **26.** HOUSE FOR HAMILTON BEATTY, MADISON, WISCONSIN



PROBLEM: A house for parents and two children. No service quarters.

The Wisconsin landscape, hospitable to the modern trend in architecture, lends itself admirably to this rugged, individualistic house near Madison. Attacking their problem in the contemporary manner, the designers chose concrete block walls, large unbroken window areas and a flat roof. The location of the house—several miles from town—required the construction of a two-car garage. To take advantage of a view through the woods to a lake below, the designers oriented the living room in that direction, concentrated the window area there. Space was saved by the use of built-in details. Cost: \$4,100.

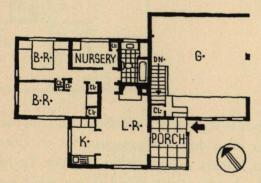
# HAMILTON AND GWENYDD BEATTY, DESIGNERS



NORTH



KITCHEN



FLOOR PLAN

PLAN: Compact and complete, the plan is simplified by the omission of a dining room. The inconvenience attached to going through the garage to get to the heater in the basement is moderated by the covered porch. But having the entrance into the living room from the front door, without benefit of a hall in which to remove heavy or wet clothing, is doubtful practice in cold Wisconsin.



### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-8 in. poured concrete with 12 in. footings. Cellar floor-4 in. concrete on gravel soil. Waterproofing-10 per cent hydrated lime in concrete.

#### STRUCTURE

Exterior walls-8 in. slag concrete blocks, cement paint outside, 3 coats plaster inside (putty finish). Interior partitions-wooden frame, 1/2 in. Insulite plaster base, 3 coats plaster. Floor construction-wood Joists, subflooring (shiplap) and paper. ROOF

Construction-wood Joists, shiplap and paper ceiling ½ in. Insulite plaster base, 3 coats plaster. Finish—5-ply built-up asphalt and felt roofing.

Local sand lime brick, cement paint. Lining—terra cotta. Fireplace—Colonial damper, 42 in. SHEET METAL WORK

Flashing-24 gauge galvanized iron. Leaders-3 in. steel pipe inside.

INSULATION

Roof-air space and 1/2 in. Insulite. Weatherstrippingfelt at all windows.

WINDOWS

Sash—metal casements, Truscon Steel Co. Glass—quality A, double strength, American Window Glass Co. Screens-roll-screens, Truscon Steel Co. FLOORS

All rooms, select oak except bath which is tile.

WOODWORK

Trim and cabinets-pine. Doors, interior-single panel pine. Garage doors—stock pine. HARDWARE

Throughout-Sargent & Co.

PAINTING

Interior: Walls, trim and sash-flat finish paint, Mautz Paint & Varnish Co., Madison, Wis. Floor—Dura-seal, International Chemical Co., Chicago. Exterior: Walls— Medusa White Portland Cement Paint and yearly application of whitewash. Roof-whitewash every spring for summer cooling—disappears by winter. Sash—oil paint. ELECTRICAL INSTALLATION

Switches-General Electric. Fixtures-special design, built-in.

KITCHEN EQUIPMENT

Stove and refrigerator-General Electric. Sink-Rundle-Spence Mfg. Co., Milwaukee.

LAUNDRY EQUIPMENT
Washing Machine—Kenmore, Sears, Roebuck and Co. BATHROOM EQUIPMENT

Lavatory and tub-Kohler & Co. Toilet-Crane Co., flush valve, Sloane-Blabon Corp.

PLUMBING

Pipes-cast iron. Water supply-galvanized iron. Pump -260 gal. per hour capacity, Crane Co.

HEATING

Furnace—Schwab Furnace & Mfg. Co., Milwaukee, Wis. Oil burner—Wisconsin Oil Burner Co.

### 27. HOUSE FOR NED BALL, RALEIGH, NORTH CAROLINA



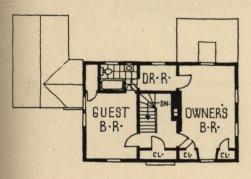
PROBLEM: A house that will permit later additions.

In character and style, appearance and setting, this house is just as New England Colonial as can be found in Dedham, Concord, Groton or any other of a dozen Massachusetts or Connecticut towns. Snow covered ground, stately pines and tin leaders complete the illusion. In his placement of the windows, his use of materials, his small subordinate attached garage and his excellent "purist" doorway, the architect has lost none of the traditional classicism, none of the dignity of proportion of the Early Colonial. To find an adaptation or an importation of a Northern style house in the South—one that retains its Yankee accent—is always architectural news. The plan had to admit of future additions. Accordingly the architect chose a logical central plan that would permit a wing to be added to the living room without upsetting the balance of the facade. In its present condition, the plan is conventional and practical. The attached garage has direct access to the house. Cost: \$4,802. Cubage: 19,460 or about 241/2 cents.

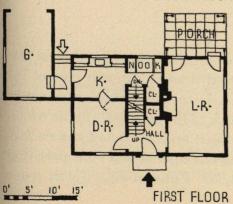
# THOMAS W. COOPER, ARCHITECT

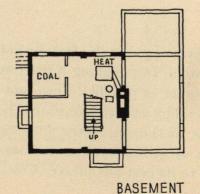


VIEW LIVING ROOM HALL



SECOND FLOOR





#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls—continuous 9 in. brick. Cellar floor—4 in. concrete floor on earth fill. Waterproofing—1 in. cement plaster on outside of walls from footings to grade line. STRUCTURE

Exterior walls-beveled-siding, Neponset paper, Bird & Son, Inc.,  $34 \times 6$  in. T. & G. pine sheathing,  $2 \times 4$  in. studs, rock lath and 3 coat smooth white plaster, U. S. Gypsum Co. Interior partitions—2 x 4 in. pine studs, rock lath and 3 coat plaster, U. S. Gypsum Co. Floor construction— $2 \times 10$  in. Joists, 16 in. o.c.,  $\frac{3}{4} \times 6$  in. T. & G. sub-floor, building paper, plaster ceiling on rock lath. Attic floor— $2 \times 8$  in. ceiling Joists, rock lath and plaster.

ROOF

Construction— $2 \times 6$  in, rafters, 16 in. o.c., with collarties,  $34 \times 6$  in. T. & G. pine roofers, 15 lb. roofers felt. Finish—220 lb. asphalt shingles, Johns-Manville. CHIMNEY

Lining-vitrified tile flue lining. Fireplace-throat and damper, Donley Bros. SHEET METAL WORK

Flashing-galvanized iron. Gutters-galvanized halfround, hanging gutters. Leaders-3 in. round, galvanized.

INSULATION

None. Weatherstripping-extruded bronze thresholds at outside doors.

WINDOWS

Sash—white pine, double hung. Frame—No. 1 N. C. pine. Glass—quality A, double strength, Pittsburgh Plate Glass Co. Screens—half sliding, white pine, bronze mesh, mill made. Blinds-white pine stock slat shutters.

STAIRS

No. 1 N. C. pine throughout.

FLOORS

Living room, bedrooms and halls—random width, clear flat sawed N. C. pine with pegs. Kitchen—¾6 in. asphalt tile, Tile-Tex Co., Chicago. Bathrooms—ceramic tile floor, 6 in. cover base. Porches-concrete, marked

off in squares.
WALL COVERINGS

Living room, bedrooms and halls-wall paper. Bathrooms—cement -cement wainscot, Keene's.

HARDWARE

Trim, shelving and cabinets—No. 1 N. C. pine. Doors, interior—fir, 2 panel. Doors, exterior—white pine. Garage doors—redwood.

Interior-wrought brass, glass knobs; exterior-polished cast brass, all by Sargent & Co.

PAINTING

Interior: Walls-oil paint in kitchen and bath. Ceilings—oil paint. Floors—filled, shellacked and waxed. Trim and sash—3 coats semi-gloss enamel. Exterior: Walls and sash—3 coats lead and oil paint.

ELECTRICAL INSTALLATION

Wiring system-BX cable. Switches-toggle type, dull brass.

KITCHEN EQUIPMENT

Stove-electric. Refrigerator-electric. Sink-60 in. roll-rim, Standard Sanitary Mfg. Co. Cabinet-mill made wood cabinets.
BATHROOM EQUIPMENT

Fixtures by Standard Sanitary Mfg. Co. Seat-white, Church Mfg. Co. Cabinet—Venetian type, all metal, Hess Warming & Ventilating Co. PLUMBING

Pipes: Soil, waste and vent-standard weight cast iron. Water supply-copper service from street, galvanized steel inside. HEATING

Boiler-coal, hand fired, American Radiator Co. Radiators-Corto. Valves-Hoffman Specialty Co. Hot water heater-Taco Heaters, Inc.

### 28. GATE LODGE, SEATTLE, WASHINGTON



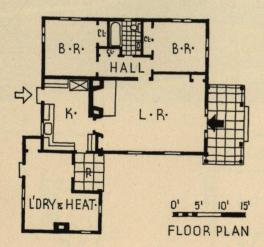
Todd Hazen Photos

PROBLEM: On a lot unlimited in size, to build a gate lodge for two people.

The function of gate keeping went out years ago but this fact did not prevent the architect of this cottage from drawing upon an old romantic custom. In designing it, he conceived it as an integral part of the domain, set it as near the threatened border as possible. Then, not tied down with tradition or actual danger, he constructed the lodge of flush siding and trim, repeated the brick of the gate posts in the whitewashed chimneys. For the exterior walls, he chose ordinary shingles, dressed up the window spaces with attractive ornamental blinds. The use of shrubbery is an outstanding example of the vital part that landscaping plays in presenting a house to its best advantage. Cost: \$4,385. Cubage: 20,530 at 21 cents.

# GEORGE WELLINGTON STODDARD, ARCHITECT





PLAN: The main entrance makes use of a covered porch to avoid an entrance hallway, consequently leads directly into the living room. The plan, in its division of the two bedroomswith their common hall and bath-from the rest of the house is successful. The service entrance to the kitchen is, of necessity, on the same side of the house as the front entrance but the setback completely subordinates it to its minor position.

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls-6 in. concrete walls.

STRUCTURE

Exterior walls—¾ in. handsplit shakes, 10 in. to weather, Excel Shingle Co., Sisalkraft paper, shiplap, 2 x 4 in. studs. Inside—wood lath and plaster. Interior partitions—wood lath and plaster on 2 x 4 in. studs. Floor construction—wood Joists, shiplap sub-flooring.

Construction—2 x 4 in. rafters, 1 x 3 in. roof boards. Finish—1 in. handsplit shakes, 8 in. to weather, Excel Shingle Co.

CHIMNEY

Hard burned common brick, Builders Brick Co. Fire-place—common brick facing, firebrick lining, Tristop damper. SHEET METAL WORK

Flashing, gutters and leaders—16 oz. copper. INSULATION

None.

Weatherstripping-Chamberlin Metal Weather Strip Co. WINDOWS

Sash-wood, both double hung and casement. Glassdouble strength, Libbey-Owens-Ford Glass Co. STAIRS

Stock treads, risers and handrail.

FLOORS

All rooms-Presdwood tile on fir flooring, Masonite Corp. Kitchen and bath—grade A linoleum, Armstrong Cork Products Co.
WALL COVERINGS

Living room, bedrooms and halls—wall paper, Imperial. WOODWORK

Fir throughout, Elmer, Moody & Co.

HARDWARE

Interior and exterior-Yale & Towne Mfg. Co. PAINTING

Interior: Walls and ceilings-oil paint, flat. Trim and sash—oil paint, enamel, Schorn Paint Mfg. Co. Ex-terior: Walls and sash—outside white, Schorn Paint

Mfg. Co. KITCHEN EQUIPMENT Sink—Standard Sanitary Mfg. Co. BATHROOM EQUIPMENT

All fixtures by Standard Sanitary Mfg. Co. HEATING

Hot water, oil burner, Pacific Burner Co.

### 29. HOUSE FOR C. J. VANDENHOOGEN, HEMPSTEAD, L. I.,



Murray Peters Photo

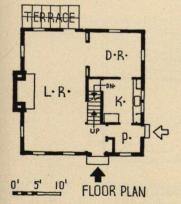
PROBLEM: House designed for sale.

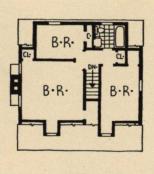
Although this house was not designed for an individual client, the architect visualized a genial, sociable person who would utilize the large living room for gracious entertaining. Hence the designer devoted more than half of the first floor to the living room, saved additional space by eliminating the conventional hall-way (although providing a closet) and constructing built-in features in the wood paneling. Although his treatment of the dining room differed in materials and detail from the living room, by eliminating the doorways, the architect was able to furnish additional multi-purpose space. The large kitchen area provides ample room for the preparation of refreshments. In outward appearance, the house is well balanced and pleasing. The effect would have been enhanced had the use of blinds and shrubbery been continued on all four sides. Cost \$3,200. Cubage: 15,525 at approximately 21 cents.

# NEW YORK, MAXMILLIAN R. JOHNKE, ARCHITECT



LIVING ROOM-DINING ROOM





SECOND FLOOR

PLAN: The large amount of space given over to the combined pantry and kitchen is unusual. The former serves double duty as reception room and storage space. A cleaner second floor plan would have resulted from a rearrangement of closet areas.

#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls—8 in. concrete block. Cellar floor—3 in. concrete with 1 in. cement finish. Waterproofing—skim coat of cement.

#### STRUCTURE

Exterior walls-frame construction with Perfection shingles staggered. Inside-plastered throughout except where wood wainscot.

Construction-2 x 6 in. rafters, 16 in. o.c. shingle lath, 1 x 3 in. Finish-Perfection cedar shingles 5 in. to weather.

#### CHIMNEY

Terra cotta flue linings, old style damper-H. W. Covert Co.

#### SHEET METAL WORK

Flashing, gutters and leaders—copper. INSULATION

Celotex on sloping portion of ceilings only. Weatherstripping-metal.

### WINDOWS

Sash-double hung throughout except kitchen. Glasssingle thick, Pittsburgh Plate Glass Co. STAIRS

Oak treads and white pine risers and stringers-stock material.

### FLOORS

Living room, bedrooms and halls—oak flooring, No. 2 select. Kitchen—covered with No. 3 grade linoleum. Bathroom-tile wainscot and floor.

### WALL COVERINGS

Living and dining room—knotty pine wainscot. Bed-rooms and halls—wall papered.

### WOODWORK

Trim, shelving and cabinets-No. 2 white pine. Interior doors—6 panel Colonial, 1% in. thick. Exterior doors—6 panel Colonial, 1% in. thick. Garage doors—1% in. thick, white pine.

### HARDWARE

Interior and exterior—Sargent & Co.

### PAINTING

Interior: Walls-wood wainscot, Minwaxed and waxed 2 coats. Bathroom and kitchen—above wainscot 3 coats and closets 2 coats. Ceilings—calcimine, Hylight Products Co. Floors—Minwax stained and waxed 2 coats.

Trim and sash—painted 3 coats. Exterior: Walls painted 2 coats. Roof-stained 2 coats. Sash-painted 3 coats.

### ELECTRICAL INSTALLATION

Wiring system—BX cable. Switches—toggle switches. Fixtures-McPhilbin Co.

### KITCHEN EQUIPMENT

Stove-Star range, Detroit Vapor Stove Co. Sink-combination laundry tub and sink, Kohler Co. Cabinet—Ridgeway. Built-in ironing board—Curtis Companies, Inc.

### BATHROOM EQUIPMENT

All fixtures by Kohler Co. Cabinet-Ridgeway.

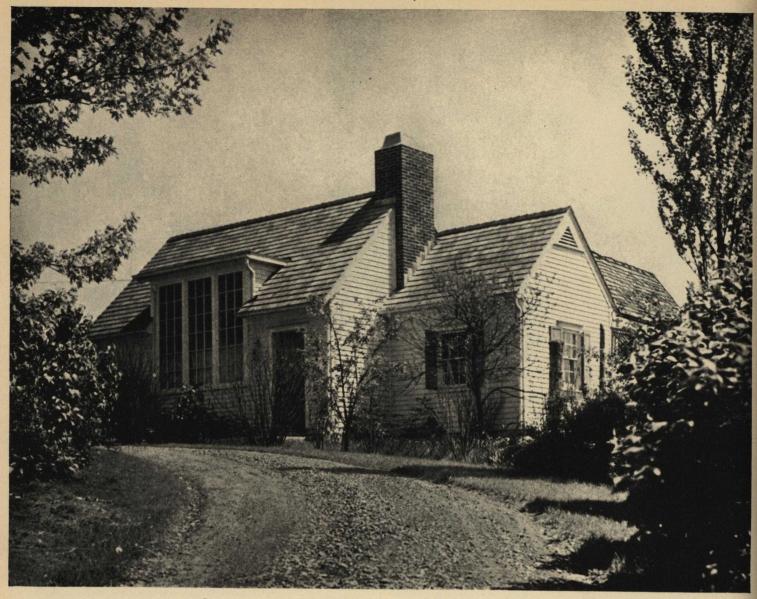
### PLUMBING

Soil and vent pipes-extra heavy cast iron. Water supply-copper tubing. Tank-40 gal. Monel Metal storage, for hot water.

### HEATING AND AIR CONDITIONING

Holland air heating system, coal fired boiler, forced air with water trough for humidifying, thermostatic control, no cooling. Hot water heater-coal fired.

# 30. STUDIO COTTAGE, NEW HOPE, PENNSYLVANIA



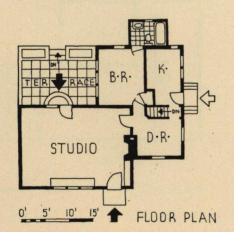
This little studio cottage looks very well in its setting. Of economical frame construction, it comfortably accommodates two people, in a pinch can squeeze in a third by putting a day bed in the dining room or studio. Due to its protected southeast corner exposure, the terrace is usable practically all winter. Flower beds set in bottomless brick enclosures in the terrace keep flowers growing without drying up. In the winter, the flowers can be taken out and evergreens set in. For the size of the house, the fireplace is large enough to supply sufficient heat should the owner desire to live there all year. Cost: \$2,420. Cubage: 11,961 at about 20 cents.

### MARGARET F. SPENCER, ARCHITECT



STUDIO WINDOW

Hampton Haues



#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls-poured concrete. Cellar floor-6 in. concrete slab.

STRUCTURE

Exterior walls-white pine clapboards, Kraft building paper on diagonal sheathing, 2 x 4 in. studs. Inside-Celotex and plaster, galvanized wire over all Joints and corners. Interior partitions—studs, Celotex and plaster. Floor construction—yellow pine Joists, ends creosoted, T. & G. diagonal underflooring and Sisalkraft paper. Plaster ceilings on Celotex.

ROOF

Construction—fir plate and rafters, Celotex sheathing and shingle lath. Finish—24 in. wood shingles, Royal. CHIMNEY

Brick. Fireplace—damper, H. W. Covert Co. SHEET METAL WORK Flashing—zinc. Valleys—40 lb. tin. Gutters and leaders-Toncan metal, Republic Steel Corp.

INSULATION

Outside walls—4 in. balsam wool quilt, beside Celotex on all walls, ceilings and roof.

WINDOWS

Sash-fixed sash for studio north light, otherwise double hung, clear white pine frames. Glass—double strength, quality A, Libbey-Owens-Ford Glass Co. Screens—wood frames, bronze mesh. Blinds—fixed slat. FLOORS

All rooms— $2\frac{1}{2}$  in. selected yellow pine. Kitchen and bathroom floors are covered with linoleum, Armstrong Cork Products Co. Porches-flagstone.

WALL COVERINGS

Kitchen and bathrooms—wall board tile. WOODWORK

Trim-white pine.

HARDWARE

Colonial pattern, brass and glass knobs-Sargent & Co. PAINTING

Interior: Walls-3 coats "Stonetex" wash, Truscon Laboratories. Floors-2 coat oil and 3 coat wax. Trim-3 coat oil paint. Exterior: Walls, trim and sash-3 coat white lead and linseed oil, National Lead Co. ELECTRICAL INSTALLATION

Wiring system-BX.

PLUMBING

By Crane Co. and Kohler Co.

HEATING

Warm air, outside fresh air ducts, furnace by Richardson & Boynton. Coal hot water heater.

# 31. HOUSE FOR J. J. PACE, SAN ANTONIO, TEXAS



James Zintgraff Photos

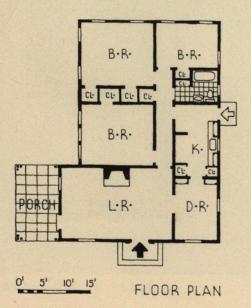
PROBLEM: A house for a family of three and occasional guests. Lot (57.5 x 130 ft.) is on a corner.

Wood frame construction solved the problem for this San Antonio house. With a corner location, the architect chose north orientation as an east porch was required. Despite the small size of the porch in relation to the larger mass of the house, it completely dominates the façade, increasing the apparent size considerably. The balustrade has been applied as decoration, there being no access to the upper deck. Cost: \$4,800. Cubage: 18,166 at  $26\frac{1}{2}$  cents.

### BARTLETT COCKE, ARCHITECT



PORCH



PLAN: The plan is neat and clean. The porch, facing east, has direct access to the living room. The kitchen is well planned both for service and deliveries, has good working area. The closet spaces are well organized. The bedrooms, well located for the morning sun, center equally on the one bath.

#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls—wood girders on concrete posts. STRUCTURE

Exterior walls-pine siding on wood studs, shiplap, canvas and paper on interior. Interior partitions—wood studs, shiplap, canvas and paper both sides. Floor construction-wood joists, shiplap sub-floor and building paper.

Construction—wood joists and roof rafters. Finish—asphalt composition shingle. Deck construction—wood ceiling joists, and roof rafters. Finish—metal. CHIMNEY

Terra cotta flue lining, cast iron damper-Alamo Iron

Works
SHEET METAL WORK
Flashing, gutters and leaders—Armco galvanized iron.
INSULATION

INSULATION

Metal Weatherstrip Co., Mon-

None. Weatherstripping-Metal Weatherstrip Co., Monarch outside doors only.

WINDOWS

Sash-double hung white pine. Frame-yellow pine, cypress sill. Glass-quality A, single strength. Screensoutside wood frames, galvanized netting. Blinds—cypress, do not operate.

FLOORS

Living room, bedrooms and halls-oak. Kitchen-pine with linoleum. Bathrooms-tile. Porches-cement, with

brick edging.
WALL COVERINGS

Living room, bedrooms and halls-wall paper. Kitchen -Sanitas, The Standard Textile Products Co. Bathrooms-Keene's cement and wall paper.

WOODWORK

Trim-pine. Shelving and cabinets-pine and fir. Doors -white pine. Garage doors-yellow pine.

HARDWARE

Interior and exterior-P. & F. Corbin & Co.

PAINTING

Interior: Floors—dull coat, Pratt & Lambert. Trim and sash—enamel. Exterior: Walls and sash—Sunlight, Pittsburgh Plate Glass Co.
ELECTRICAL INSTALLATION

Wiring system—conduit. Switches—Harvey Hubbell. KITCHEN EQUIPMENT

Refrigerator-Frigidaire. Sink-Crane Co. Cabinet-

BATHROOM EQUIPMENT

All fixtures by Crane Co.

PLUMBING

Soil and vent pipes—cast iron. Supply pipes—galva-

HEATING

Gas outlets only. Hot water heater-Crane Co.

# 32. HOUSE FOR C. G. RAIBLE, VERMILION LAGOONS,



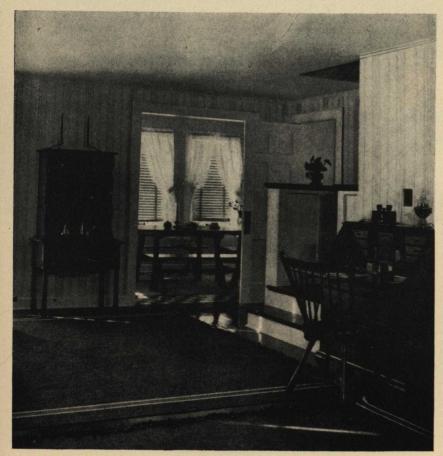
PROBLEM: A summer residence for a family of five and occasional guests. Style to conform to community restrictions.

Situated some 40 miles west of Cleveland on Lake Erie is the residential district of Vermilion Lagoons. With a maze of waterways connecting the lagoon with the river and lake, the spot is an ideal haven for yachting and boat enthusiasts. The residences are definitely restricted to a Cape Cod style of architecture. In this case, the architect successfully adapted this style, used it with a certain amount of freedom. Oriented south, the house overlooks a formal lawn that terminates in a private wharf on the lagoon. The small picket fence, completely surrounding the property, repeats the material of the house and creates a sense of privacy. The interiors are consistent. Cost: \$4,700. Cubage: 16,757 at 28 cents.

# VERMILION, OHIO, W. NORMAN JEAVONS, ARCHITECT

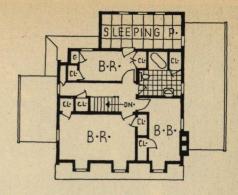


LIVING ROOM

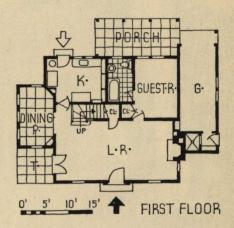


LIVING ROOM-DINING PORCH

PLAN: The main entrance rightly faces the lagoon. There is no entrance from the street other than through the kitchen. The attached garage faces the street but opens on the lawn, has access to the house via the front door. The guest room, with its private bath, is a good feature. The second floor, given over to the family's sleeping quarters, provides ample room for parents and three children.



SECOND FLOOR



#### CONSTRUCTION OUTLINE

FOUNDATION

Walls-common brick.

STRUCTURE

Exterior walls-bevel siding on yellow pine frame. Interior partitions—white pine wood lath and prepared patent plaster, U. S. Gypsum Co. Floor construction yellow pine Joists and sub-flooring. Plastered ceilings. ROOF

Construction-2 x 6 in. yellow pine rafters, shingle lath. Finish-Mauk double dipped wood shingles.

CHIMNEY

Common brick—damper, Donley Bros. SHEET METAL WORK

Flashing-copper. Gutters and leaders-galvanized iron. INSULATION

Outside walls and rafters-aluminum foil, Reynolds Metals Co. Weatherstripping—copper.

WINDOWS

Sash—white pine double hung and casement. Glass—single thick, quality A, Pittsburgh Plate Glass Co. Screens—copper mesh in wood frames.

Yellow pine. Bathrooms—rubber tile. WALL COVERINGS

Wall tile dado-Marsh Wall Tile Co.

WOODWORK

Trim—yellow pine. Doors—white pine. HARDWARE

"Patrician," Lockwood Hardware Mfg. Co.

Interior: Floors-heavy lacquer, mixed with color. Trim and sash-3 coat, eggshell finish. Exterior: Walls and sash-white lead and oil, dull glossy finish, Sherwin-Williams.

ELECTRICAL INSTALLATION

Wiring system—BX. Switches—toggle. KITCHEN EQUIPMENT

Stove-Electromaster Inc.

Sink-enamel, roll top.

BATHROOM EQUIPMENT

Fixtures by Crane Co. Cabinet—built on Job.

PLUMBING

Pipes-galvanized iron, Republic Steel Corp. HEATING

None.

## 33. HOUSE FOR ELEANOR TOWLES, CHARLOTTESVILLE,



Hobinger Photos

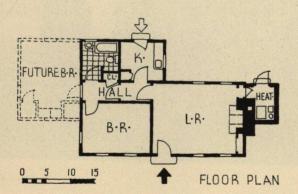
PROBLEM: House for a lady who lives alone. Style to harmonize with house on adjoining lot.

The wide literary and historical interests of the client prompted the architect to design a house that would fittingly reflect the personality of the owner. The problem was handled with taste and restraint. The facade is studied and rigid, the twenty-four light windows carefully placed on direct axis. The same severe simplicity was carried into the interior where, in the living room, the shape of the door leading to the heating room is repeated by a built-in bookcase that balances the other side of the fireplace. Cost: \$3,503. Cubage: 8,906 at a little over 39 cents.

# VIRGINIA, MILTON L. GRIGG, ARCHITECT



LIVING ROOM



PLAN: The plan is not so conventional as the exterior appearance, being designed to fit the client's convenience, not any rule of academic rigidity. Space seems, at first glance, to have been lost in the construction of a hall between the bath and the bedroom, but should the proposed future bedroom ever be added, the foresight of the designer will be appreciated.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls-continuous brick.

STRUCTURE

Exterior walls—redwood shingles, % in. sheathing, 2 x 4 in. studs, Celotex lath and plaster. Interior partitions—2 x 4 in. studs, Red Top rock lath and sand finish plaster, U. S. Gypsum Co. Kitchen and bath— Keene's cement, Best Bros. Floor construction—2 x 6 in. Joists, sub-floor. Ceiling—2 x 8 in. Joists, rock lath and plaster.

Construction—2 x 8 in. rafters—30 lb. felt and sheathing. Finish—Flintkote tapered strips composition shingles.

CHIMNEY

Field stone. Lining-terra cotta. Fireplace-oversize hand made brick, Old Virginia Brick Co. Damper-

custom built. SHEET METAL WORK

Flashing, gutters and leaders-Armco iron.

INSULATION

Outside walls-Celotex lath, rock lath on ceilings. Weatherstripping-Monarch Metal Weatherstrip Co. WINDOWS

Sash-redwood, double hung except in kitchen and bath which are casements. Frame—yellow pine. Glass—double strength, quality A, Pittsburgh Plate Glass Co. Screens—bronze in redwood frames, half opening, sliding. Blinds-stock louvered.

FLOORS

Living room, bedrooms and halls—2¼ in. red oak, Barnes Lumber Co., Inc. Kitchen and bath—2¼ in. fir covered with grade D linoleum, Armstrong Cork Products Co.

WOODWORK

Trim-redwood, special detail. Shelving and cabinetsyellow pine and fir plywood, special design. Doorsredwood, special design.

HARDWARE

Hand wrought iron-special, Reading Iron Co.

PAINTING

Interior: Walls and ceilings-Farbo cold water paint, Farboil Paint Co. Floors-filled, stained and waxed. Trim and sash-Wallhide, Pittsburgh Plate Glass Co. Wall sheathing—natural redwood, filled and waxed. Exterior: Shingles—Safety White, whitewash. All other surfaces, Double White, Samuel Cabot Co.

ELECTRICAL INSTALLATION

Wiring system—BX cable, General Electric Co. Switches—General Electric Co. Fixtures—special, Ritchie Electric Co.

KITCHEN EQUIPMENT

Stove—Standard Range Co., Toledo, O. Sink—Standard Sanitary Mfg. Co. Cabinet—wood, special design. BATHROOM EQUIPMENT

Fixtures-Standard Sanitary Mfg. Co.

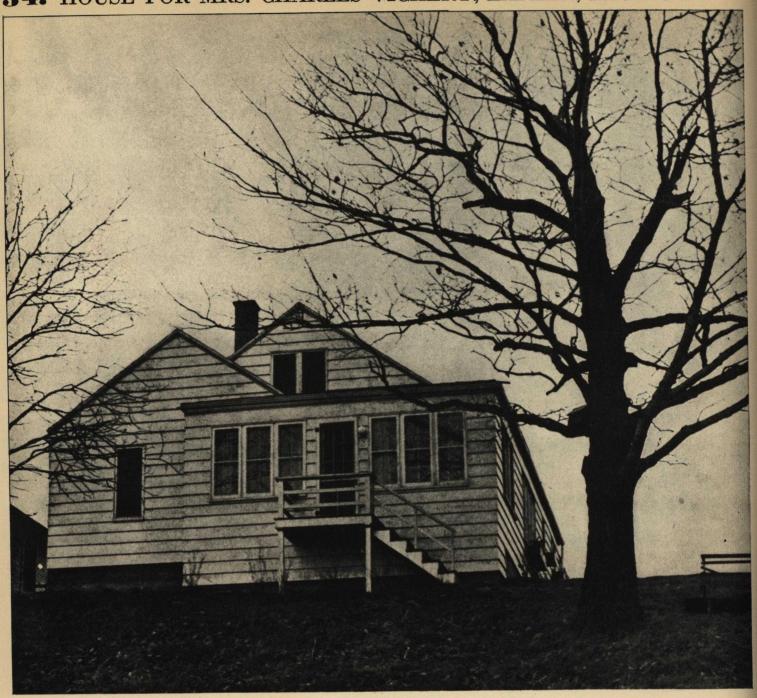
PLUMBING

Soil, waste and vent pipes-cast iron. Water supply-

wrought iron, Reading Iron Co.

HEATING Hot water-hand fired coal. Boiler-tubular Red Flash, American Radiator Co. Fuel—coal, hand fired. Radiator—Corto. Hot water heater—coal fired, American Radiator Co.

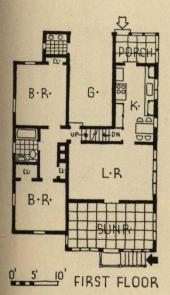
# 34. HOUSE FOR MRS. CHARLES VICKERY, LAPEER, MICHIGAN

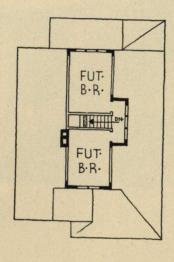


Asked his opinion on purchasing a poorly built, five-room bungalow for \$2,500, the designer offered to build the client a larger house, of better materials, for less, if she would allow him to try certain experiments. One involved insulation. Located on the edge of a 50-foot bluff, the house was exposed to a strong cold wind sweeping across the lake below. Instead of using sheathing, he nailed Sisalkraft building paper to the studs, then tacked it to the white pine siding along the horizontal seams. Thus he created a dead air space between the bevel of the siding, another between the Sisalkraft and the Celotex interior. No mill-made window frames were used. The exterior wood was oiled, then painted aluminum. Had it not been for the fact that all labor and materials had to be transported five miles from the nearest town, the cost of the house would have been even lower. Cost: \$1,750 (with no plumbing). Cubage: 15,060 at approximately  $11\frac{1}{2}$  cents.

# CORWIN WILLSON, DESIGNER







SECOND FLOOR

PLAN: The plan is unusual in the placing of the garage between the bedroom and the kitchen. The bath, shown between the two bedrooms, is actually a future room. A dry toilet was therefore appendaged on the bedroom closet. The plan also shows provision for future rooms on the second floor.

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls-8 in. continuous concrete. Cellar floor-not yet finished.

STRUCTURE

Exterior walls-siding of 1 x 10 in. No. 3 white pine, no sheathing, Sisalkraft building paper tacked on 2 x 4 in. studs. Inside—Celotex finish with batten strips. Interior partitions—Celotex on 2 x 4 in. studs. Floor construction—1 x 3 in. No. 1 yellow pine single flooring on 4 x 4 in. yellow pine beams. Celotex ceiling. ROOF

Construction-yellow pine sheathing over 2 x 4 in. rafters. Finish—asphalt shingles. CHIMNEY

Common brick, terra cotta flue lining. SHEET METAL WORK

Gutters and leaders—Toncan iron. INSULATION

Celotex on walls and ceilings.

WINDOWS

Sash-stock double hung and wood casements with stock storm sash. Glass—quality B, single strength. Screens—wood frame, hooked inside, galvanized mesh.

No. 1 yellow pine throughout.

**FLOORS** 

Living room, bedroom and halls-single flooring listed under structure. Kitchen and bathrooms—linoleum covered. Porches—No. 1, 1 x 3 in. yellow pine.

WALL COVERINGS

All rooms have Celotex, listed under "Structure." WOODWORK

Trim—No. 1 yellow pine. Shelving and cabinets—No. 2 white pine. Interior doors—2 panel, yellow pine panels, white pine stiled. Exterior doors—French. Garage doors —one swing, two on track. HARDWARE

Interior-stock dull brass. Exterior-same with Yale & Towne locks.
PAINTING

Interior: Floors-stained and oiled. Trim-stained except in kitchen and bath where it is painted. Sashstained (oil). Exterior: Walls and sash-primed with linseed oil, painted 1 coat oil paint. ELECTRICAL INSTALLATION

Wiring system-Romex. Switches-Bakelite. Fixturesstock.

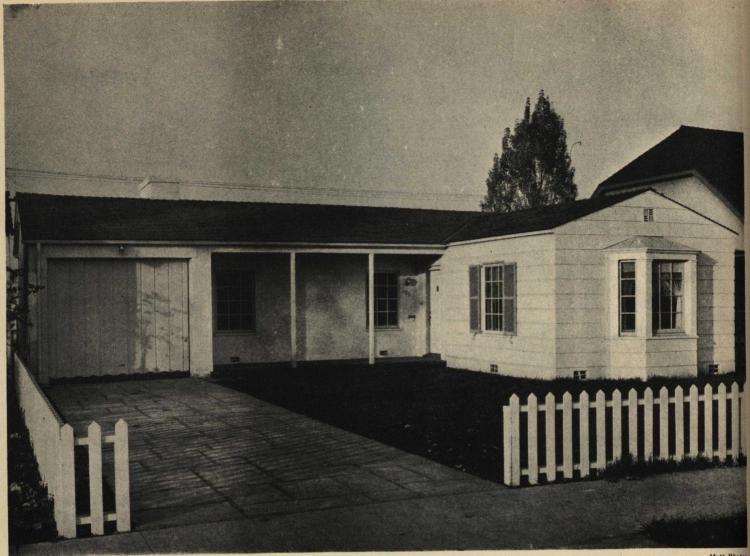
KITCHEN EQUIPMENT

RITCHEN EQUIPMENT
Stove—electric, Universal, Landers, Frary & Clark.
Refrigerator—Frigidaire, General Motors. Sink—Standard Sanitary Mfg. Co. Cabinet—built-in.
PLUMBING AND BATHROOM FIXTURES
Not included in cost.

HEATING

Warm air.

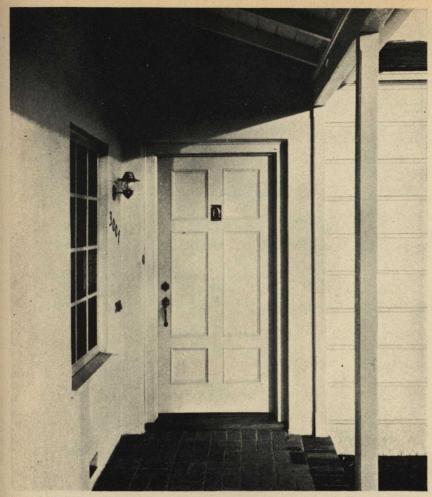
# HOUSE FOR STUART HOOD, INGLEWOOD, CALIFORNIA



Mott Photos

Direct, clean and neat, this house is constructed entirely of board and batten. The large skillfully handled bay window is the dominating feature of the facade, successfully balancing the vertical board pattern of the garage door. In its shape, the house was obviously inspired by the low-roofed, ranch type of house so popular in California but the picket fence, which creates a sense of privacy, derives from old Cape Cod. The house has been so planned that only the bedroom with the bay window faces the street. The plan is interesting in that the living quarters are separated from the utilitarian by a single-although often broken-partition. The main entrance has been placed on the side to allow a symmetrical wall surface in the living room. The garage is attached to the house but has no direct connection with it. Cost: \$4,700. Cubage: 13,750 at about 34 cents.

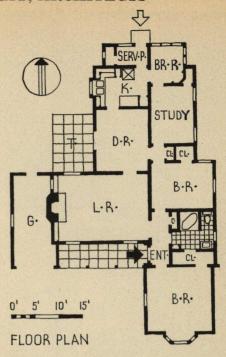
### HENRY CARLTON NEWTON AND ROBERT DENNIS MURRAY, ARCHITECTS



ENTRANCE



BREAKFASTROOM



#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls—continuous concrete. Waterproofing—Suconem in concrete, Super-Concrete Emulsions, Ltd., Los

Exterior walls—stucco on Douglas fir, 2 x 6 in. studding. Inside—lath and plaster. Interior partitions—2 x 4 in. Douglas fir studs lath and plaster. Floor construction—2 x 6 in. floor joists, ¾ in. Douglas fir, diagonal sub-floor. Ceiling—2 x 4 in. Douglas fir joists, wood lath and plaster.

Construction—2 x 4 in. Douglas fir rafters, 2 x 4 Douglas fir stripping. Finish—Longlife shingles, Fisk & Mason, Los Angeles.
CHIMNEY

Common brick, smooth cement parged flue. Damper-

H. W. Covert. SHEET METAL WORK

Galvanized iron, The American Rolling Mill Co.

INSULATION

None. WINDOWS

Sash—double hung, white pine. Frame—Douglas fir. Glass—single strength, quality A, Libbey-Owens-Ford Glass Co. Screens—fixed copper. Blinds—fixed louver. Venetian blinds—Columbia Mills, Inc.

Living room, bedrooms and halls—½ x 1½ in. T. & G. white oak, select. Kitchen—covered with linoleum. Bathrooms—rubber tile. Porches—brick. WALL COVERINGS
Bedrooms, kitchen and bath—wallpaper. WOODWORK

Vertical grain Douglas fir. HARDWARE

Interior and exterior—Russwin. PAINTING

PAINTING
Interior: Floors—dark finish 1 coat, Duraco. Trim and sash—3 coats paint and enamel. Exterior: Walls—Cemolith, waterproof 1 coat white, Super-Concrete Emulsions, Ltd. Roof—natural. Sash—3 coats paint. ELECTRICAL INSTALLATION
Wiring system—black rigid conduit, Sherorduct, National Electric Products Corp. Switches—General Electric Constant of Products Corp. Switches—General Electric Constant of Products Corp. Local Corp. Local

tric Co. Fixtures-direct, Roger Electric Co., Los

Angeles.
KITCHEN EQUIPMENT

Stove—O'Keefe & Merritt, Los Angeles. Refrigerator—gas, Electrolux. Sink—acid resisting, Standard Sanitary Mfg. Co. Cabinet—vertical grain Douglas fir, built on

LAUNDRY EQUIPMENT

LAUNDRY EQUIPMENT
Sink—acid resisting, Standard Sanitary Mfg. Co. Washing machine—General Electric.
BATHROOM EQUIPMENT
All fixtures by Standard Sanitary Mfg. Co. Seat—4 star, Brunswick-Balke-Collender Co. Cabinet—vertical grain Douglas fir, built on Job.
PLUMBING

Soil pipes—cast iron. Vent pipes—galvanized iron, malleable iron fittings. Supply pipes—galvanized iron, brass fittings.

HEATING

Unit wall heaters—Johnson, Los Angeles. Hot water heater—30 gallon, American Gas Products Corp.

# 36. HOUSE FOR MARTHA COBB PEABODY, WESTPORT, CONN.



Courtesy, Portland Cement Assn.

Situated on a little more than an acre of Connecticut land, the house savors of the style and plan of the old farmhouse in which the kitchen was the one room constantly lived in. Dictated by economy and utility, this old scheme of the kitchen-living room as the actual living center of the house, is still soundly serviceable today. The stove, which burns either coal or oil, heats the living room in winter while the windows on the three exposures provide means for cooling the kitchen in summer and for speedy removal of cooking odors. There is a view of Long Island Sound from the bay window of the living room. The house fits well into its surroundings without needing the customary fringe of planting at the base of the walls to tie it to the ground. Cost: \$2,968. Cubage: 11,000 at 27 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION
Walls—concrete.

FRAME CONSTRUCTION Rafters—wood.

MASONRY CONSTRUCTION
Cinder block walls—Bedford Hills Concrete Products Co.

ROOF
Wood shingles on shingle lath.

DOOR AND WINDOW FRAMES
Sash—steel casement.
Doors and frames (exterior)—wood.
PORCHES
Reenforced concrete.
EXTERIOR PAINT

Walls—white cement paint

Trim
Sash
Painted.

LATH AND PLASTERING
No lath or plaster

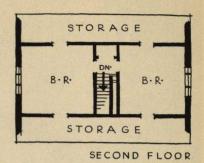
INTERIOR WOODWORK
Shelving and cabinets—wood.
INSULATING
Roof rafters—Cabot's quilt.
Weatherstripping on wood doors—copper.
INTERIOR FINISHES
Floors—Master Builders' cement coat,
colored.
Trim—stained and waxed.
Sash—painted.
Walls—white cement paint.
Wallpaper—attic rooms.

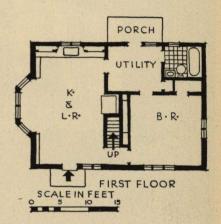
# FRANK HARPER BISSELL, ARCHITECT



KITCHEN-LIVING ROOM







PLAN: Extremely simple with living room taking advantage of southern exposure and view. Dormer windows of the second floor would have given cross ventilation. They were omitted, not to protect the roof's lines, but for the sake of economy. Cross ventilation (north and south) may be had by leaving open the bedroom doors.

WIRING

Cable-BX.

Electrical fixtures—handwrought.

Switches-push button.

LIGHTING

Direct

PLUMBING

Kitchen

Sink

Cabinet

Stove Refrigerator BATHROOM

Bath tubs

Toilets

Seats

PIPES

Brass

HEATING

Coal or oil

Hot water heater Thermostat and regulators AIR CONDITIONING

Fan blower

CHIMNEY Fireplaces

Facings-brick.

HARDWARE

Interior and exterior-wrought iron.

SCREENS

Roll type.

# HOUSE IN BEDFORD HILLS, NEW YORK



John Gass Photos

This cottage for one or two occupants has distinct and virile charm. It is built of cinder concrete blocks painted white; the inside walls are also of cinder concrete blocks painted, and every bit of material and construction is modern. Floors and ceiling, too, are of concrete construction, their surfaces treated to render them both practical for cleaning and agreeable to the eye. Not the least arresting feature is the compact plan. A work room shares an equal part of the basement with the laundry and heating apparatus. The ground floor has every provision for comfort and the amenities of modest, unlaborious living; the attic storage space is sure to prove useful: Cost: \$4,400. Cubage: 13,800, at about 32 cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-concrete blocks, Bedford Hills Concrete Products Corp.

Cellar floor-ready mixed concrete, Bedford Hills Concrete Products Corp. Waterproofing-Mason lime.

### MASONRY CONSTRUCTION

Walls-concrete masonry units, cinder concrete, Bedford Hills Concrete Products Corp.

### FLOOR CONSTRUCTION

Joists-"Floroform" concrete, Bedford Hills Concrete Products Co. ROOF CONSTRUCTION

Rafters \ wood.

### ROOF

Tile on sheathing-concrete tile set in mastic on roof paper.

Gutters Down spouts copper.

Flashing-none, heavy roof cement around chimney.

Tile drains-concrete, Bedford Hills Concrete Products Corp.

### DOOR AND WINDOW FRAMES

Sash and frames

Casement type-steel, Truscon Steel Co.

Doors and frames (exterior)-pine wood.

### PORCHES

Concrete flagging on terrace. Bedford Hills Concrete Products Co.

### EXTERIOR PAINT

Concrete masonry units painted with Bedford Hills Concrete Products Co. masonry paint.

Trim

Priming and finish coat-Pittsburgh Plate Glass Co.

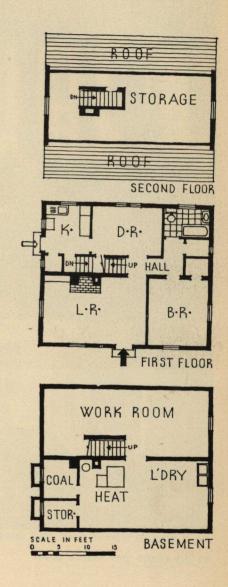
Priming-shop coat. Finish coat-aluminum paint.

LATH AND PLASTERING None.

# C. EVERETT BURBANK, ARCHITECT



PLAN: Every room is well lighted and ventilated, and the bedroom and bathroom part of the cottage can be completely shut off from the rest. There is ample closet space. The kitchen is large enough to contain all necessary equipment for comfortable and efficient cookery.



Concrete blocks painted with masonry paint.

### INTERIOR WOODWORK

Trim Shelving and cabinets pine.

Floors-concrete finish stained.

INSULATING

### INTERIOR PAINTING

Floors-acid stain on concrete.

Trim Doors Pittsburgh Plate Glass Co.

Sash-Aluminum paint.

Walls-masonry paint, Bedford Hills Concrete Products Co.

### PLUMBING

Kitchen

Sink-"Priscilla," Sears, Roebuck & Co. Stove-Westinghouse Mfg. Co.

### BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Cabinets-Sears, Roebuck & Co.

Bath tubs Standard Sanitary Mfg. Co.

### PIPES

Brass-Chase Brass & Copper Co. HEATING

### Coal.

Square boiler plate, hot air, Sears, Roebuck & Co.

Thermostat and regulators.

### AIR CONDITIONING

Semi-system by Richmond & Decker.

### CHIMNEY

Fireplaces

Facings — cinder masonry units painted with masonry paint by Bedford Hills Concrete Products

Hearths—concrete, plain gray, by Bedford Hills Concrete Products Co.

Mantels-chestnut plank.

### SCREENS

Casement side-hinged, Truscon Steel Co.

### HOUSE FOR A. V. DUNCAN, MOUNT KISCO, NEW YORK



The problem of the very small house is completely in its infancy. The background of U. S. architecture seems to have been framed in vast dimensions: railroad stations, office buildings, large residences, etc. The thoughtfully planned house of the above type remains rare. Of simple clapboard construction, this house is a direct, honest expression of its purpose. Because of economy, a front vestibule or shelter has been omitted. In a region where rain and snow are commonplace, this might be essential. Cost: \$4,200. Cubage: 12,000 at 35 cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls and columns-18" fieldstone, local. Cellar floor-concrete, Atlas Cement Co. Waterproofing-waterproofed cement, Anti-Hydro Waterproofing Co.

FRAME CONSTRUCTION

Wood by Weyerhaeuser Sales Co.

MASONRY CONSTRUCTION

Stone walls-18" fieldstone, local. EXTERIOR SURFACE

Clapboards.

Wood shingles on shingle lath-18" Per- GLASS fection.

Valleys-closed, copper flashed.

Gutters

Down spouts | copper, American Brass Co. Flashing

DOOR AND WINDOW FRAMES

Sash and frames-double hung, Curtis Companies, Inc.

Doors and frames (exterior)-pine.

PORCHES

Flooring-fir.

American Window Glass Co.

EXTERIOR PAINT

Shingles-brush stained.

Siding white lead and oil, Sherwin-

Williams. Sash

LATH AND PLASTERING

Lathing-metal, Truscon Co.

Plastering-patent plaster, hard white Red Top, Best Bros. Keene's cement.

INTERIOR WOODWORK

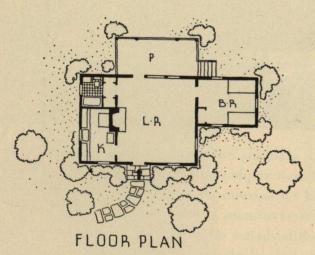
Floors-oak.

Shelving and cabinets pine Stock millwork-Curtis and Morgan.

CONSULT YOUR ARCHITECT FOR LOCAL COST FIGURES

# WALTER BRADNEE KIRBY, ARCHITECT





PLAN: Separation of bedroom from bathroom in a house of this character is permissible but open to question.



REAR

INSULATING

Attic floor.

Weatherstripping.

INTERIOR FINISHES

Floors-stained, shellacked and waxed.

Doors Sherwin-Williams.

Wallpaper-W. H. S. Lloyd Co., Inc.

WIRING

Cable-BX.

Switches-tumbler.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-Standard Sanitary Mfg. Co.

Cabinet-pine, Curtis Co.

Stove-Pyrofax gas by Carbide and Carbon Chemical Corp.

Refrigerator—General Electric.

BATHROOM

Fixtures-Standard Sanitary Mfg. Co.

Seats-Church Mfg. Co.

PIPES

Brass, American Brass Co.

HEATING

Coal.

Hot water heater-coal-fired.

CHIMNEY

Fireplaces

Facings common brick.

Mantels-wood.

Damper-H. W. Covert Co.

HARDWARE

Interior and exterior-P. & F. Corbin.

SCREENS

Wood frames.

WINDOW DRESSING Blinds-Curtis stock.

CONSULT YOUR ARCHITECT FOR LOCAL COST FIGURES

### 39. WEEK-END HOUSE, NORTHPORT, LONG ISLAND



Described by the architects as a vacation house, its planning and treatment show the close relation with outdoor living which was sought. Two walls of glass admit ample sunlight, which may be controlled by awnings and curtains; they also give an excellent view of the surrounding countryside. A notable feature is that while the house consists of but one story, the light steel columns and flat roof give it three living levels: the space below is used for a porch as well as an automobile shelter while the roof is used for sun bathing and outdoor sleeping in summer. The facing of the house is particularly interesting, being of heavy canvas laid over tongued and grooved redwood flooring. Walls are insulated by aluminum foil placed as a continuous membrane between the exterior and interior of the 4 in. wall. The interior wall finish is  $\frac{1}{4}$  in. plywood. Cost, including furnishings: \$982.

### CONSTRUCTION OUTLINE

### FOUNDATION

Footings—concrete, tapered sides resting on concrete slab.

Pavement under house at ground levelconcrete.

### FRAME CONSTRUCTION

Columns—4" steel tubes (extra heavy section) support a pair of 2"x10"s bolted to a welded-on steel "fin" that penetrates columns. A 10" square steel plate 34" thick is welded to base of each column. Columns not filled with concrete.

Joists-floor and roof 2"x8".

Bridging-double row.

Studding—two 2"x2"s to take membrane of aluminum foil between (see "Insulating")

Exterior facing—3" California redwood flooring laid diagonally. Exposed surface sanded.

### EXTERIOR SURFACE

Facing given one coat of bedding paint (William L. Barrell & Co., New York) to serve as a preservative and adhesive base for canvas (Turner Halsey Co., New York) Canvas "Duck" No. 6, 42" wide stretched on wall; Joints lapped 1½" and nailed ¾" apart with spiral, double clad zinc nails; surface of canvas sponged slightly; canvas paint (Devoe & Raynolds) applied as 2 surface coats; final paint aluminum. Ground floor ceiling—Masonite.

### ROOF

3" California redwood flooring laid diagonally covered with No. 4 cotton duck canvas "Mt. Vernon" treatment similar to walls.

Flashing—canvas surface requires no flashing.

Down spout—cast iron connected to copper drain pipe at center of house.

### DOOR AND WINDOW FRAMES

Sash and frames, steel factory-type Fenestra sash throughout, 3 windows projecting, by Detroit Steel Products Co.

Doors and frames (exterior)—steel frame doors.

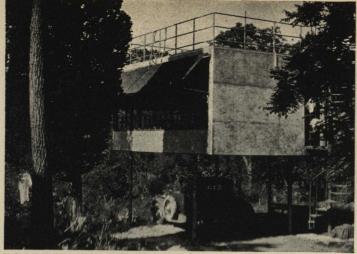
### GLASS

Lustra, ultra-violet, by American Window Glass Co.

### EXTERIOR PAINT

Walls and roof—listed under "Exterior Surface" and "Roof."

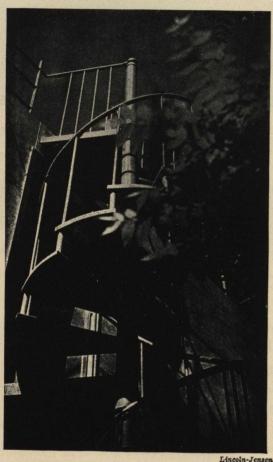
# A. LAWRENCE KOCHER AND ALBERT FREY

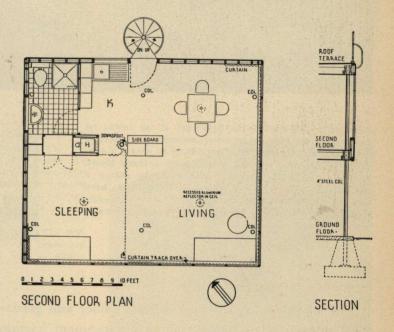


NORTH SIDE AND CIRCULAR STAIR TO ROOF



LALLY COLUMNS AND BUILT-UP AND NOTCHED BEAMS





PLAN: To reduce housework to a minimum, as well as to keep costs down, the plan is treated as a single open space, with the bathroom as the only wall-enclosed unit. This arrangement also gives a small area an effect of spaciousness. For sleeping the space may be subdivided by means of curtains into three bedrooms, each with free access to the bathroom. The simplicity of the plan is deceptive, and its admirable organization of the available space is worthy of study.

Ground floor ceiling-aluminum paint. Sash and railing

Priming-metal paint.

Finish coat-"Duco," E. I. du Pont de Nemours & Co., Inc.

### INTERIOR WOODWORK

Floor-California redwood covered with canvas and painted like outside but with color as finish coat.

Walls-1/4" plywood, clear white pine, by U. S. Plywood Co.

### INSULATING

Outside walls-continuous membrane of double-faced aluminum foil between studs providing two air spaces.

Floor and roof-continuous double-faced aluminum foil placed 2" below floor and roof, insulating against heat and cold.

2nd floor ceiling-rigid insulation board by Johns-Manville.

### INTERIOR PAINTING

Floors-clear spar varnish in addition to canvas paint.

Walls clear spar varnish.

Sash-metal paint and "Duco."

Cable-BX

Electrical fixtures—factory-type aluminum reflectors recessed in ceiling.

### LIGHTING

Direct.

### PLUMBING

Kitchen

Sink-combination sink and laundry tray, green porcelain enamel by Standard Sanitary Mfg. Co.

Cabinets-metal by Hamilton Mfg. Co., Rahway, N. J.

Stove-electric.

### BATHROOM

Fixtures | Henry Weis Mfg. Co.,
Shower cabinet | Inc.

### HEATING

Coal

Heater-Vecto No. 2 (central convection) by American Radiator Co.

### SCREENS

Copper.

### WINDOW DRESSING

Shades and curtains-made of Revolite by Johnson & Johnson, New Brunswick, N. J.

Awnings-for control of sun heat.

# 40. HOUSE FOR PAULINE LOWE, ALTADENA, CALIFORNIA



Dapprich Photos

PROBLEM: To make economical use of an inside lot 49 ft. wide, securing privacy and some garden space; to have earthquake-resisting construction; to create a congenial setting for a sculptor imbued with Oriental ideals, reducing furnishings to bare essentials; to secure a spacious effect from a minimum of actual area; to have a sunny exposure for each room; to give as little valuable space as possible to the garage; and to secure seclusion from street and neighbors.



A few simple materials—wood, straw, fiber and glass—their natural origin left mostly undisguised, were used to secure simplicity and an environment harmonious with the sculptor's personality and work. To achieve spaciousness, large wall areas of glass were used, opening into paved gardens at bedroom floor level which make room and garden one living space. These glass walls are opposite the entrances to each room and thus create the longest vistas possible. Solid enclosures of wood frame the bedroom gardens. Both bedrooms and bathroom are placed to catch early morning sunlight; kitchen, dining room and living room have sunlight all day. Building ordinances required separation of garage from dwelling; though under the same roof, it is separated by a paved passage. Cost, \$3,900.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls and piers—concrete. Waterproofing—Asphaltum.

FRAME CONSTRUCTION
Douglas fir.
Sills—redwood.

EXTERIOR SURFACE

12" redwood vertical boards with battens.

ROOF

Wood shingles on shingle lath—16" redwood 5" to weather. Gutters Flashing Down spouts

No. 24 gauge galvanized iron.

DOOR AND WINDOW FRAMES

Sash—horizontal sliding of white pine.

Doors (exterior)—Douglas fir.

Garage doors—horizontal sliding redwood.

PORCHES

Brick floor-common red brick.

GLASS

Single weight Pennvernon. "Glass Cloth" in translucent windows by Turner Bros.

EXTERIOR PAINT

All paint is by W. P. Fuller Co.
Shingles—linseed oil without color.
Siding—left natural.
Sash—"Negrosene," an alcoholic dye.

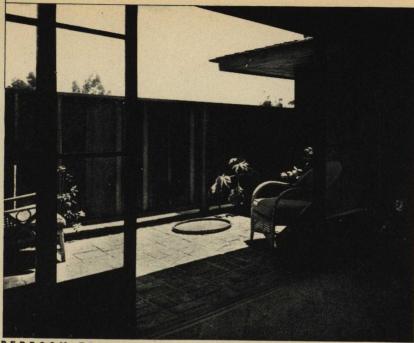
None.

INTERIOR WOODWORK

All wall surfaces are heart common redwood left natural. 3/8" strip oak floors. Shelving and cabinets—redwood and white pine.

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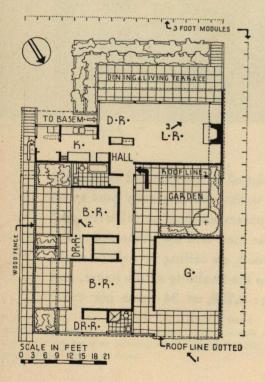
# Harwell Hamilton Harris, Designer, Carl Anderson, Associate



BEDROOM TERRACE



LIVING ROOM DETAIL



To secure seclusion from the street and neighbors the entrance is inside the house. To approach the front door from the street one traverses a paved and roofed tunnel-like passage between bedroom walls on one side, and garage and enclosed garden on the other. The dining room and living room are one, and open onto a dining terrace.



Dapprich Photos

### INSULATING

All ceilings finished in Celotex except Masonite on kitchen and bath walls and ceilings.

### INTERIOR FINISHES

Walls of kitchen and bath—"Crestolite" (Fuller) on Masonite.

### WIRING

Cable—BX.

### LIGHTING

Direct—recessed with flush face. Three hanging fixtures. Indirect in living room.

### PLUMBING

Kitchen

Sink-West Coast.

### Stove—Wedgewood Gas. BATHROOM

Fixtures-Kohler.

Seats—Church.

Tile-Pomona tile on floor.

### PIPES

Wrought iron.

### HEATING

Gas unit hot air—"Magic Way" Furnace Co.

Thermostat and regulators—button control.

### CHIMNEY

Fireplaces.

Facings and hearths-brick.

### SCREENS

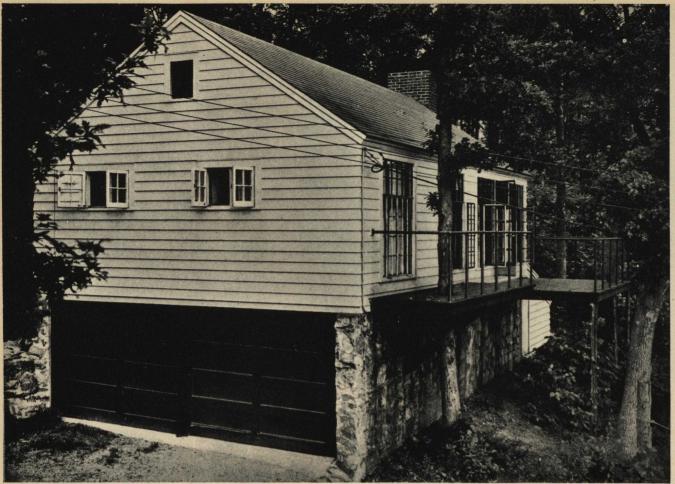
No. 16 galvanized wire cloth.

### SPECIAL EQUIPMENT

Chinese grass matting—California Asia Co.

Glass cloth—Turner Bros.

### 41. HOUSE AT NOROTON, CONNECTICUT



John Gass

Here Buckminster Fuller awaits the Dymaxion House in a cottage designed by his wife and apparently shares his realistic approach to housing. The high, stone foundation walls were originally part of an older structure, sensibly reemployed in this house for economy. The unconventional use of large steel casements in a New England "carpenter-type" house is justified by the view and the numerous shade trees. The interior features a room paneled with large sheets of plywood, on ceiling as well as walls, with distinctly pleasant effect. The balcony is a definite contribution to the livability of the house, and the way it is built around trees is rational. Cost: \$3,300. Cubage: 9,720, at 34 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION
Walls—stone.
Cellar floor—concrete.
FRAME CONSTRUCTION
Fir.

EXTERIOR SURFACE
Clapboards—cedar.

ROOF

Composition shingles on sheathing.

Valleys
Flashing | copper.

Composition sheathing paper.

DOOR AND WINDOW FRAMES
Sash and frames
Casement type—steel.
Doors and frames (exterior)—pine.

PORCHES
Floor—matched pine.

Garage doors-overhead.

GLASS
Libbey-Owens-Ford Glass Co.

EXTERIOR PAINT
Siding
Trim
Sash
3 coats Dupont.

LATH AND PLASTERING None.

Walls and ceilings %" fir plywood. No Joint coverings, ¼" convex trim in corners.

# ANNE FULLER, DESIGNER



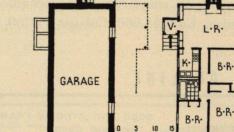
OUTDOOR LIVING SPACE



LIVING ROOM



ENTRANCE



AN: A long narrow rectangle, necessarily divided into a simple arrangement small rooms. Small windows give privacy on the entrance side. The plan as hole shows excellent utilization of space.

### TERIOR WOODWORK

Floors—Carolina pine.
Shelving and cabinets—¾" fir plywood,
sugar pine frame.

SULATING

None.

Weatherstripping-copper felt.

### TERIOR PAINTING

Floors—varnished and waxed.
Walls—1 coat dull varnish, 1 coat wax,
kitchen and bath oil paint.

Sash-oil paint.

### LIGHTING

Direct and indirect.

### PLUMBING

Manifold plumbing unit between kitchen and bath.

### Kitchen

Sink-enameled iron.

Cabinet-wood.

Stove

Refrigerator General Electric.

### BATHROOM

Fixtures complete.

### PIPES

BASEMENT

Supply—brass.
Soil—wrought iron.

### HEATING

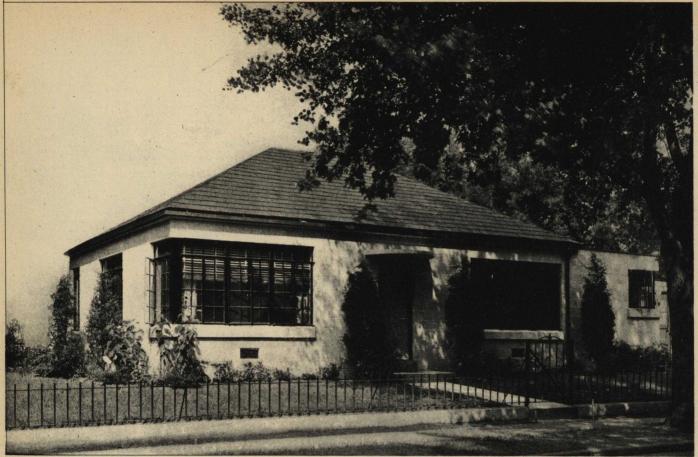
Coal-fired boiler, 2-pipe system. Hot water heater.

FIRST FLOOR

### SCREENS

Roller type.

# 42. HOUSE FOR LILLIAN SCHMIDT, LYNBROOK, L. I.,



Courtesy, Portland Cement Assn.

Thoroughly modern without being assertive, both in construction and design, this house indicates plainly that the modern mode can be comely and well-mannered. Such tactful design will go far to reconcile to modern trends the feelings ruffled by the more aggressive examples of external composition. The fenestration, usually a sore point with those who resent the methods of the modern school, is managed in a way to which few could take exception. The walls are of cinder concrete blocks painted white and the semicircular hood above the door is a monolithic concrete slab—a pleasant as well as useful conceit that adds interest to the entrance without marring its simplicity. The mechanical appliances correspond with the rest of the house in efficient modernism. Cost, \$5,000. Cubage, 17,700, at about 28 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION Walls and footings-poured stone concrete. First floor-4" poured reenforced concrete slab on concrete girders. MASONRY CONSTRUCTION Walls and interior partitions - hollow cinder concrete units. ROOF CONSTRUCTION Joists Plate Rafters ROOF Slate on sheathing-Bangor black slate. Decks-four ply slag on wood sheathing. Valleys Gutters Copper. Flashing Down spouts

DOOR AND WINDOW FRAMES Sash and frames Casement type--"Fenestra" by Detroit Steel Products Co. Doors and frames Wood, Curtis Companies, Inc. Garage doors GLASS Double strength, American Window Glass Co. EXTERIOR PAINT Cinder block walls-2 brush coats of white cement paint, Medusa Co. Trim and Sash Priming-lead and oil. Finish coat-2 coats, lead and oil. LATH AND PLASTERING

Lathing-metal, Reynolds Ecod metallated

fabric on ceilings only.

float finish on ceilings only, no plaster on walls.

INTERIOR WOODWORK
Interior doors, door frames and wood sub-frames of casement windows—Ponderosa pine. No other wood trim in this house excepting kitchen dressers.

Stock millwork—Curtis Companies, Inc.

INSULATING

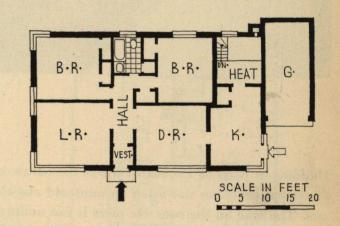
Plastering-cement plaster and wood

Outside walls—none.
Roof—under sheathing, Reynolds metallation.
Weatherstripping—copper and brass saddles, exterior doors only.

# NEW YORK, CHRISTIAN ROSBORG, ARCHITECT



PLAN: The plan is simplicity itself. Being simple, it is also workable. The only point for slight regret is that the bathroom door is visible from the entrance; a door on the line of the living room-dining room partition would remedy this minor defect.



### INTERIOR FINISHES

Floors—asphalt tile, boiler pit floor cement hardener.

Trim Doors 3 coats of lead and oil, of different colors.

Walls—2 coats cement paint of varying light shades, Medusa Co.

Ceilings-treatment similar to walls.

### WIRING

Cable-BX flexible cable.

Electrical fixtures—Shapiro and Aronson, New York.

Switches-Bryant.

### LIGHTING

Direct

### PLUMBING

Sink—combination enameled iron sink and drainboard, Kohler Co.

Cabinet—stock wood. Stove—Garland Gas Range Co. Refrigerator—General Electric.

### BATHROOM

Cabinets—G. M. Ketcham Mfg. Corp. Bath tubs—enameled iron, Kohler Co. Toilets—vitreous china, low tank, Kohler Co.

Seats-white, Church Mfg. Co.

### FIPES

Copper tubing for hot and cold water.

### HEATING

Oil

Boilers—York Oil Burner Co., York, Penn. Radiators—American Radiator Co. Fiping—wrought iron.

Valves-American Radiator Co.

Hot water heater—Gas.

Tnermostat and regulators—Minneapolis-Honeywell Regulator Co.

### CHIMNEY

Fireplaces

Facings-cinder concrete blocks.

Hearths — Sayre & Fisher down draft brick.

Mantels-cinder concrete.

Damper-H. W. Covert.

### HARDWARE

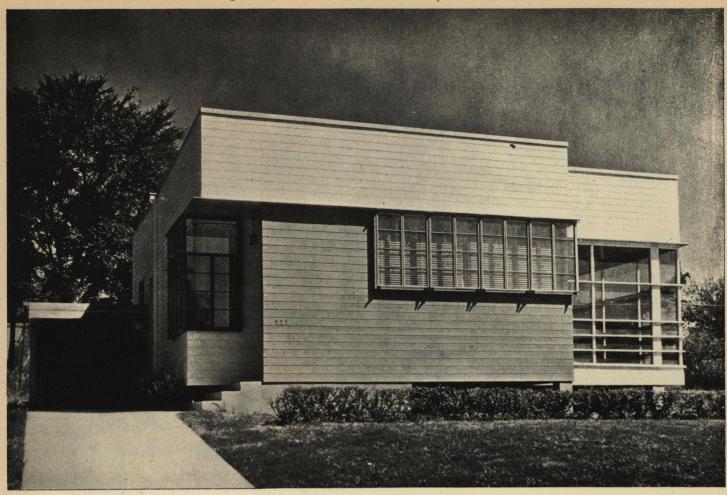
Interior and exterior-Norwalk Lock Co.

### SCREENS

Copper on stock wood frames.

WINDOW DRESSING Venetian blinds.

### 43. HOUSE FOR JOHN S. PRESTON, SHREVEPORT



Building in parts of Louisiana, where the nature of the ground forbids any considerable excavation, presents structural problems not often encountered elsewhere. The wall-section diagram shows how the difficulty was met. The load on the concrete piers is not unduly great since the construction, though staunch, is light. In thoroughly modern vein, the house is refreshingly straightforward in its recognition of a utilitarian plan that appealed to the owner, regardless of the asymmetrical appearance of the exterior. Conservatives who decry every ultra-modern form of expression must remember that the fundamental criterion of fitness is the comfortable and convenient fulfillment of function; a willingness to subordinate the claims of visual satisfaction. Cost: \$3,638. Cubage, 18,140 at 20 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION
Footings and piers—concrete.

FRAME CONSTRUCTION
Pine

EXTERIOR SURFACE
Clapboards—1"x6" pine siding, flush.

ROOF
Flat built-up roof, 3-ply.

DOOR AND WINDOW FRAMES
Sash and frames
Double hung—wood 3'-4" wide.

Steel sash—Fenestra, Detroit Steel
Products Co.
Doors and frames (exterior)—pine
frames, flush doors.

PORCHES
Floor—matched heart pine.

GLASS
Double strength, quality A

EXTERIOR PAINT
Siding
Trim
Lead and oil, Sherwin-Williams.
Sash

LATH AND PLASTERING

Lathing

Composition plaster base—sheet rock.

Plastering

None.

INTERIOR WOODWORK

Floors—3" oak.

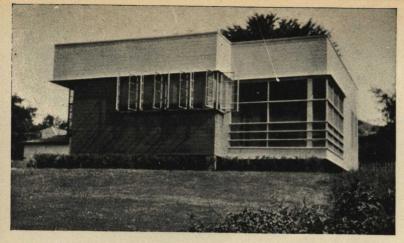
Trim

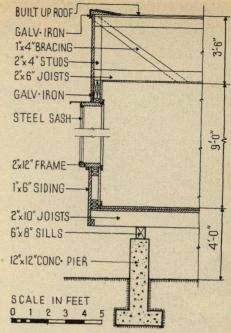
Shelving and cabinets pine.

INSULATING

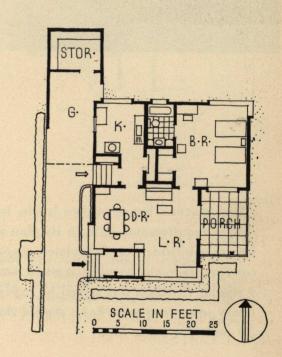
Air space between ceiling and roof.

## LOUISIANA, WILLIAM B. WIENER, ARCHITECT





TYPICAL WALL SECTION



PLAN: Direct, simple and as wholly convenient for the domestic requirements of two people as a plan could be. It provides for all the daily needs effectually. The built-in features have great practical merit.

INTERIOR PAINTING
Floors—varnished and waxed.
Trim
Doors
Sash
Walls

WIRING
Knob and tube.

LIGHTING
Built-in flush lights in major rooms.

PLUMBING
Kitchen

Sink—Standard Sanitary Mfg. Co.
Cabinet—pine.
Stove.
Refrigerator—electric.

BATHROOM
Fixtures
Cabinets
Bath tubs
Toilets
Seats
Standard Sanitary
Mfg. Co.

Showers

Shower curtains

Floor—sheet rubber, Hood Rubber Co.,
Inc., Watertown, Mass.

PIPES
Wrought iron and steel.

HEATING
Gas stoves.
Hot water heater—automatic.

SCREENS Copper mesh.

### 44. HOUSE FOR MRS. SAMUEL B. WOODWARD, ASHEVILLE



Elliot Fisher Photos

A one-story house on two levels, built for a client who occupies it alone. The house reflects the simple requirements both in its plan and exterior and its loose, rambling form is well suited to the irregular hillside site. Completely unconventional in its treatment, it has a charming air of informal comfort. It might be of interest to compare the chimney with the treatment of house No. 82 where a similar situation was solved by expanding the masonry into an entire end wall. The porch with its heavy square supports has a rugged simplicity most appropriate in the setting. Cost: \$3,000, at about 20 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Concrete blocks—Southern MacTile Co., Asheville.

FRAME CONSTRUCTION

Native yellow pine.

EXTERIOR SURFACE

Native cedar shingles.

ROOF

Slate from demolished old house.

Metal work—26 gauge galvanized iron.

DOOR AND WINDOW FRAMES

Metal casement windows—Detroit Steel Products Co.

Wood doors—white pine from local mill. PORCHES

Flagstone floor over concrete base.

GLASS

Double strength, grade A. EXTERIOR PAINT

Shingles—stained white, Samuel Cabot, Inc., Boston.

Doors, etc.-painted 3 coats lead and oil.

LATHING AND PLASTERING

Wood lath.

Sand finished plaster.

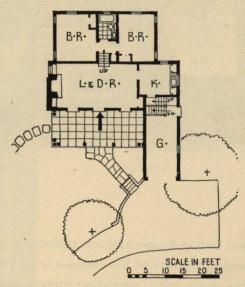
#### INTERIOR WOODWORK

Living and dining room paneled in wormy chestnut. Balance of trim grade B and better yellow pine. Floors native oak.

## NORTH CAROLINA, HENRY IRVEN GAINES, ARCHITECT







PLAN: Few required elements produce a simple if unusual layout. Bedrooms, living-dining room and garage on different levels due to requirements of site. Nothing unnecessary has been forced into the plan.

#### INTERIOR FINISHES

Floors—filled and waxed—some varnished 2 coats.

Trim—Enameled 4 coats.

Walls—Plaster kalsomined.
Wallpaper—Bedrooms.

WIRING

Cable

LIGHTING Direct PLUMBING

Fixtures—Crane Co.

PIPES

Steel

Warm air gravity system, Peerless Heater, ducts to each room.

CHIMNEY Fireplace Facing brick.

Hearth brick.

Mantel—wood.

Damper-Covert.

HARDWARE

Sargent and Co.

#### SCREENS

Full length outside wood screens with copper mesh.

### 45. HOUSE FOR J. J. MOTZKO, HAYWARD, CALIFORNIA



A board and batten house of great simplicity, planned so that the principal rooms face away from the street. The outstanding feature of the exterior is the chimney, which has been expanded to become the entire end wall of the living room wing, providing interesting textural contrast to the wood walls of the other portions of the house. The raised hearth, on the interior, is not only a very practical arrangement, but is decorative as well. As is usually the case in houses of this type, the living room opens on to a porch, beyond which is the garden. It is very interesting to note that this house has corner windows in both bedrooms, a feature better seen on the plan than the photographs; that the architect saw fit to incorporate this element, supposedly the exclusive property of the "International Style," in an otherwise traditional design, is another instance of a growing and healthy indifference to stylistic correctness in American residential work. Cost: \$4,200. Cubage: 21,496 at 19½ cents per cubic foot.

#### CONSTRUCTION OUTLINE

FOUNDATION Walls and piers-concrete. FRAME CONSTRUCTION Oregon pine. Sills-redwood. EXTERIOR SURFACE Siding-redwood vertical shiplap battens. ROOF Wood shingles on 1"x4" sheathing. Gutters Armco 26 gauge galva-Flashing nized iron. Down spouts

DOOR AND WINDOW FRAMES
Sash and frames
Double hung—California white pine.
Doors and frames (exterior)—California
white pine.

PORCHES
Brick floor—basket pattern common.

GLASS
Single strength "Lustra" grade A,
American Window Glass Co.

EXTERIOR PAINT
Shingles—oil stained.

Siding—casein cold water.

Trim | lead and oil.

Sash | lead and oil.

LATH AND PLASTERING
Lathing—½" Beaver insulating metal lath.

Plastering
Patent plaster—Empire hardwall.
Finishing coat—Peerless stucco.

INTERIOR WOODWORK
Floors—plank oak.
Walls and doors, living room and dining room—"Shevlin" knotty white pine.

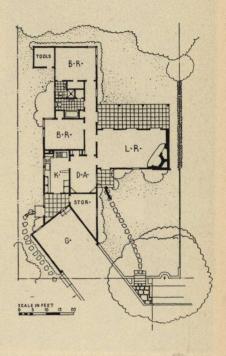
### GEORGE PATTON SIMONDS, ARCHITECT



REAR PORCH



LIVING ROOM WITH GREAT CORNER FIREPLACE



PLAN: Entrance to bedrooms can be effected without going through living room. The askew garage is adapted to the special requirements of the site. Rear porch common to entrance, storage and garage. Kitchen large and well planned.

Shelving and cabinets—"Shevlin" knotty white pine.

INSULATING

Outside walls—Beaver insulating lath and board.

INTERIOR PAINTING

Trim | stained and waxed.

WIRING

Cable—knob and tube.
Switches—Harvey Hubbell, Inc.

LIGHTING Direct.

PLUMBING

Kitchen

Sink—Standard Sanitary.
Cabinet—knotty pine.
Refrigerator — Frigidaire Division,
General Motors Corp.

BATHROOM

Fixtures—Standard Sanitary. Seats—Church Mfg. Co.

PIPES

Galvanized iron and steel.

HEATING

Gas-fired hot air. Hot water heater.

CHIMNEY

Fireplaces Hearths

Hearths common brick

HARDWARE

Interior and exterior—Ry-Lock Co., Ltd., and handwrought iron.

CONSULT YOUR ARCHITECT FOR LOCAL COST FIGURES

### 46. HOUSE FOR GEORGE A. HENDON, JR., LOUISVILLE



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

The house has great appeal probably because it consciously avoided routine trappings and efforts at charm. The same severe simplicity is carried into the interior. Sensible is the living room chimney placed off center on the gable simply because it belonged there according to the dictation of the plan. Federal Housing Administration appraised value: approximately \$5,000.

#### CONSTRUCTION OUTLINE

FOUNDATION
Walls—9" concrete.
Columns—4" lally.
Cellar floor—4" concrete.
Waterproofing—Speeds waterproof
cement.
MASONRY CONSTRUCTION
Common brick walls—used, 9" thick.
FRAME CONSTRUCTION
Floor Joists
Studding, interior partitions
Rafters
Girders

ROOF
Composition shingles on sheathing—
Johns-Manville.

Valleys
Flashing
Old Taylor Scotts.

Gutters
Down spouts
26 gauge galvanized iron.

DOOR AND WINDOW FRAMES

Mill-built by Johnson Lumber & Millwork
Co.

PORCHES

PORCHES
Reenforced concrete.

GLASS
Double strength, quality A.

EXTERIOR PAINT

Brick and woodwork—"Cabot's Virginia
white," 3 coats.

Trim
Sash

3 coats Duco, Dupont Co.

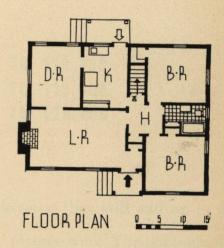
LATH AND PLASTERING
Lathing—composition plaster base, Rocklath, U. S. Gypsum Co.
Plastering—patent plaster.

## KENTUCKY, NEVIN, MORGAN AND KOLBROOK, ARCHITECTS



REAR AND SIDE ELEVATION





PLAN: Hall is the center of traffic with living room, kitchen, two bedrooms and the bathroom opening on it. The two small closets interfere with direct circulation from kitchen to entrance.

INTERIOR WOODWORK
Floors—5/16" x 1 1/3" oak.
Trim—knotty pine.

INSULATING
Attic floor—3" Thermofill.

INTERIOR PAINTING
Floors—filled, stained and shellacked.
Trim
Doors 3 coats Dupont's Duco.

WIRING

Cable—BX cable and conduit. Switches—Bryant.

LIGHTING Direct.

PLUMBING
Kitchen fixtures—Crane Co.

BATHROOM
Fixtures—Crane Co.
Accessories—built-in, Fairfax Co.

PIPES

Galvanized iron.

HEATING

Coal-fired hot air furnace, 22" C.I. bowl, Hart Mfg. Co.

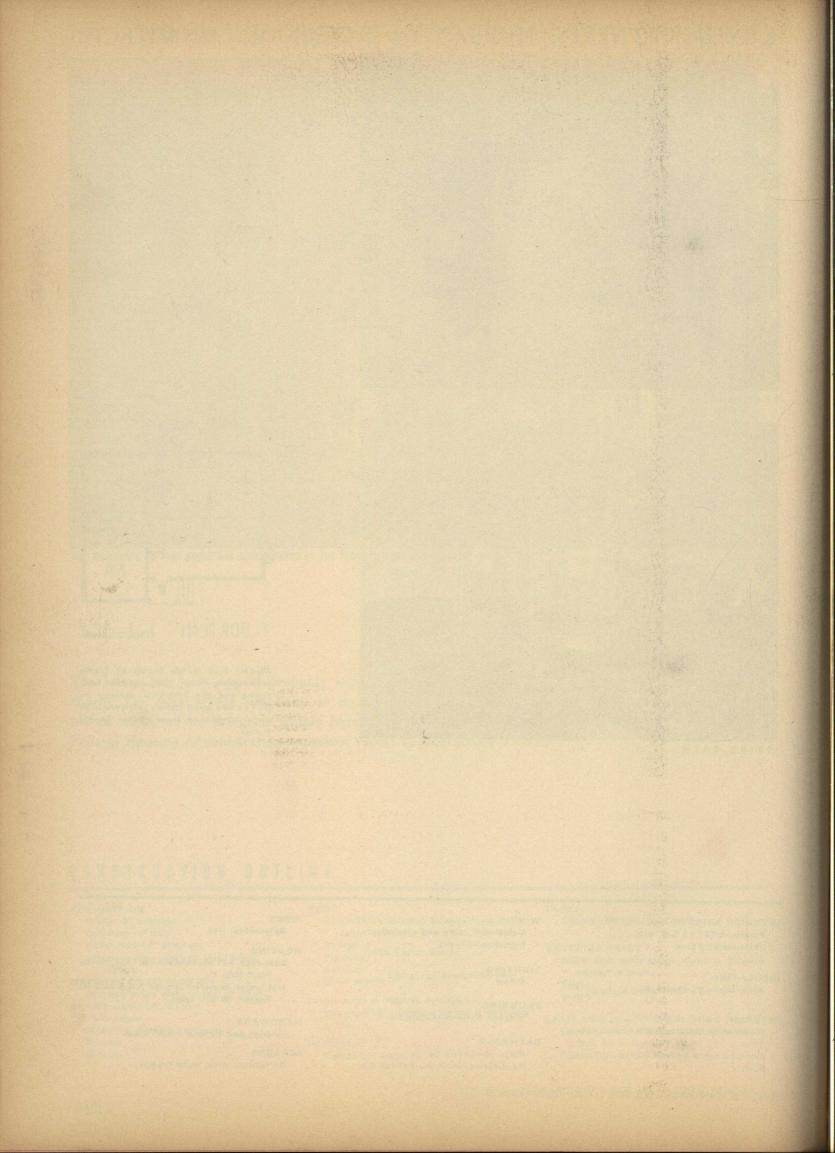
Hot water heater—Florence No. 2 coal oil heater, 30 gal. tank.

HARDWARE

Interior and exterior—dull brass.

SCREENS

Galvanized wire, wood frames.



# 69

### NEW SMALL HOUSES

ALL WITHIN THE PRICE RANGE ELIGIBLE FOR F.H.A.-INSURED MORTGAGES

#### CONTAINING:

27	HOUSES	COSTING	FROM	\$5,000	TO	\$10,000
26	11	"	11	\$10,000	TO	\$15,000
16	"	u	**	\$15,000	TO	\$20,000

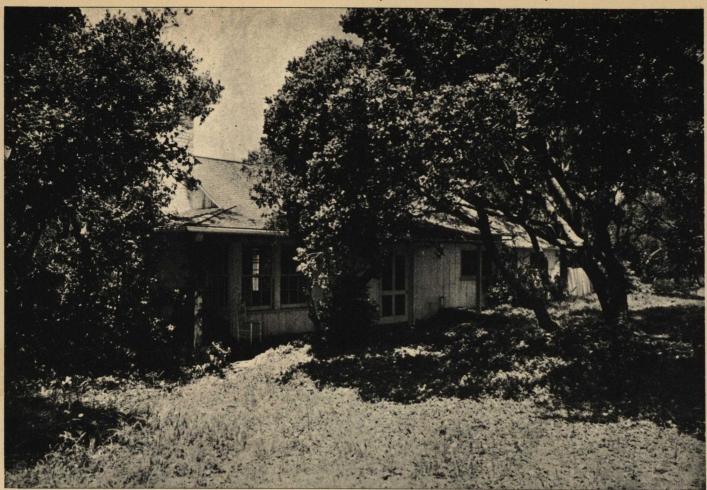
Here are houses. 69 by count, which is important only because they still add up to 69 by reason. This is in large part a picture book but not a pretty picture book. The photographs were picked from hundreds because they convey the most information about each house; not because the editors like the cloud effects. But this issue is more than a picture book. Each house is also shown in plan and with full construction data. So that anyone who wants to know how a real 1936 house looks may also discover how it was built and how it works. And to establish standards of value, costs are given wherever obtainable. Finally, the editors have commented on each house, pointing out its merits of plan, design and construction. Every house in this book has been selected for its excellence. Some are radically different in plan and design, more are conventional, but all are good.

NOTE: The figures given as costs refer to the house and include the architect's fee but in no case do they include the cost of land, land-scaping or furnishing. It is of the utmost importance to note that there is a wide difference in the cost of the same house in different localities, sometimes even in neighboring towns. These costs, therefore, are relative and not the actual cost of the same house in your

community. Consult your architect for local cost figures.

It is not to be inferred that the specifications given carry any recommendation or endorsement. They are merely the list of products specified for the particular houses shown in this book. Specifications for any house can be properly determined only by your local architect.

### 47. HOUSE FOR W. E. GALLWEY, PASATIEMPO, CALIFORNIA



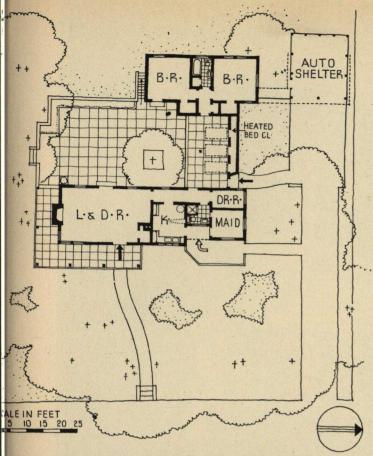
Sturtevant Photos

•The client's desire was simply stated: a week-end and summer house accommodating the maximum number of people at the lowest possible cost. The architect solved the problem with brilliant simplicity by using the porch connecting the two portions of the house as part of the sleeping quarters. Three wall beds are set into a heated closet which forms the back of the porch. Thus this small house comfortably takes care of seven people and a maid. The house is laid out so that the court is protected from cold winds. A shelter is provided for automobiles, and the entrance so arranged that it is possible to bring in baggage without going through the living or dining rooms. The house is built in the simplest manner. Any decorative effect is inherent in the materials and their disposition; nothing is applied. Cost (including wall beds, slate floor, terrace retaining wall, brick paving on the porch and terrace): \$5,700—about 29 cents per cubic foot.

#### CONSTRUCTION OUTLINE

```
FOUNDATION
                                              Gutters-Redwood with lead strips at
                                                                                         Siding
   Walls-Reenforced concrete
                                                Joints
                                                                                            (a) Priming—none
  Columns or piers-
                                              Flashing-Galvanized iron
                                                                                            (b) Finish coat-heavy sprayed coat
FRAME CONSTRUCTION
                                              Down spouts-Galvanized iron
                                                                                                of whitewash
  Sills-Redwood
                                                                      paper - heavy
                                              Composition
                                                           sheathing
  Floor Joists
                                                                                                Priming
                                                                                            (a)
                                                 block building paper, well lapped
                                                                                                                 Lead and oil
  Studding
                                                                                                Finish coat
                                                                                            (b)
                                           DOOR AND WINDOW FRAMES
                                                                                         Sash
                     No. 2 Douglas Fir
                                              Sash and frames
  Rafters
                                                                                            (a) Priming
                                                 (a) double hung | Sugar Pine sash
                                                                                                                 Lead and oil
  Girders
                                                                                            (b) Finish coat
                                                 (b) casement
                                                               Douglas Fir frames
  Bridging
                                                                                       LATH AND PLASTERING-
                                              Doors and frames (exterior)-Redwood
  Ties
                                                                                       INTERIOR WOODWORK
                                                and Sugar Pine, Douglas Fir frames
MASONRY CONSTRUCTION-none
EXTERIOR SURFACE
                                                                                          Trim-vertical grain Douglas Fir
                                           PORCHES
   Vertical rough boards No. 2 Common
                                                                                          Floors-T & G No. 2 Douglas Fir in bed-
                                              Floor-second hand common brick
     Redwood
                                                                                            room wing. Rest of floors concrete;
                                           GLASS
                                                                                             Yosemite slate in living room and hall.
                                              Grade "B"
   Wood shingles on spaced sheathing-clear
                                                                                          Hardwood-oak thresholds
                                           EXTERIOR PAINT
     cedar shingles, 5 butts to 2" laid 41/2"
                                                                                          Painted surfaces—Redwood and Douglas
     to weather
                                              Shingles-left unpainted
```

### WILLIAM WILSON WURSTER, ARCHITECT



JRT SHOWING RECESS FOR WALL BEDS



LIVING ROOM



helving and cabinets-Douglas Fir. Cedar linen shelving.

tock millwork-most doors stock, five panel.

ULATION-none

oors ash

ERIOR PAINTING

loors—(in Bedroom Wing)—oil filler and 2 coats spar varnish ("Lightning"). 2 coats white lead and oil, one

coat enamel (W. P. Fuller's "Silken

White")

Valls-2 coats cold water paint (Fuller's). In bath and kitchen, 2 coats white lead and oil, one coat enamel (Fuller's "Silken White")

able—From meter to distribution panels, wires in rigid galvanized metal conduit Electrical fixtures-knob and tube Switches-H. & H. toggle type

LIGHTING

Direct—Fixtures by Preston Hopkins, San Francisco.

PLUMBING

Kitchen

Sink-Enameled iron, Westcoast S-721

BATHROOM

Cabinets-Medicine cabinets, Peerless Built-in, No. 15

Bath tubs-Enameled iron, Westcoast "Barbara" S-334

Toilets-Vitreous china, Westcoast "San Carlos" S-1643

Showers-Westcoast fittings. Floor-concrete.

Walls-T&G Douglas Fir.

PIPES

Steel-Supply pipes, National Steel Spellerized pipe.

HEATING

Gas-fired hot air with fan, Aladdin Heating Corp., Oakland Hot water heater-Ruud

AIR CONDITIONING-none

CHIMNEY

Fireplaces

- (a) facings—common brick
  (b) hearths—none
- (c) mantels-none
- (d) damper-none

HARDWARE

Interior Exterior

Corbin & Stanley

SCREENS

Redwood frames-16 mesh bronze.

### 48. HOUSE FOR DUPREE R. DANCE, SAN ANTONIO,



The client introduced a distinctly human touch in his specifications for this house: "there must positively be no provision for guests." The plan shows two large bedrooms with triple exposure, one with bathroom and one with shower. Garage and maid's quarters are in a separate building. The house is a restrained adaptation of Georgian design. Cost: \$7,500 or approximately 34 cents per cubic foot.

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls—reenforced concrete.
Cellar floor—concrete.

Waterproofing—emulsified asphalt.

FRAME CONSTRUCTION

Yellow pine.

MASONRY CONSTRUCTION

Walls—salmon pink common brick, Fraser Brick & Tile Co.

EXTERIOR SURFACE

Salmon pink common brick, Fraser Brick & Tile Co.

ROOF

Slate on sheathing—variegated slate, full range of colors.

Gutters
Flashing
Down spouts

26 gauge galvanized iron.

Composition sheathing paper—30 lb. asphalt saturated roofing felt.

DOOR AND WINDOW FRAMES
Sash and frames.

Double hung—white pine, check rail.

Doors and frames (exterior)—yellow pine
frames, white pine doors.

Garage doors—yellow pine with fir panels. PORCHES

Reenforced concrete—Front porch of concrete with paving brick edging, exterior steps of paving brick.

GLASS

Double strength Quality A Pennvernon, Pittsburgh Plate Glass Co.

EXTERIOR PAINT

Sash
Trim
Priming—lead and oil.
Finish coats—outside paint, Pittsburgh Plate Glass Co.

INTERIOR WOODWORK

Trim and floors—yellow pine trim painted, oak floors stained dark.

Hardwood-white oak.

Stainwoods—oak handrail only.
Painted surfaces—yellow pine.

Shelving and cabinets—yellow pine, fir panels, some white pine.

INSULATING

Weatherstripping—Doors only weatherstripped, Chamberlain Weatherstrip Co.

INTERIOR FINISHES

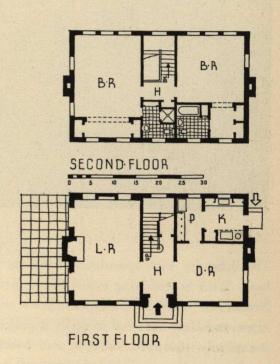
Floors-Stained dark.

Trim
Doors
Painted light, products of Pittsburgh Plate Glass Co.

### TEXAS, BARTLETT COCKE, ARCHITECT



ENTRANCE HALL AND LIVING ROOM



PLAN: The first floor is typical of center hall plans. On the second floor, bedrooms are oriented to take advantage of exposure and garden view.

Walls—papered on 'sheetrock.

Wallpaper-throughout, excepting in bathrooms, which are tile, textone on sheetrock above tile wainscotings.

WIRING Switches—toggle.

LIGHTING Direct.

PLUMBING

Kitchen.

Sink—Standard Sanitary Mfg. Co. Cabinets—milled.

Stove—by owner.
Refrigerator—by owner.

BATHROOM

Fixtures-Standard Sanitary Mfg. Co.

Cabinet—milled.
Bath tubs | Standard Sanitary
Toilets | Mfg. Co.
Seats—Church Mfg. Co.
Shower curtains | Standard Sanitary
Showers | Mfg. Co.
Tile—Wheeling.

PIPES Steel.

HEATING

Gas, hot air furnace by Pacific Gas Products Co.
Piping—asbestos covered tin ducts.
Hot water heater—Pittsburgh instantane-

ous, Pittsburgh Water Heater Co.

Thermostat and regulators—Minneapolis-Honeywell.

CHIMNEY

Fireplaces.

Facings—tile.
Hearths—tile.
Mantels—wood.
Damper—Majestic.

HARDWARE

Interior Corbin.

SCREENS

Wood milled screens, bronze netting.

WINDOW DRESSING

Shades—by owner.
Venetian blinds.
Blinds—milled of white pine.

### 49. HOUSE, HEMPSTEAD, LONG ISLAND, N. Y.



The difficulty with speculative building from the architectural point of view is that the problem usually boils down to designing something sufficiently negative to please most of the customers most of the time. Numerous "safe" formulas have been adopted by various builders. This little house represents one of the latest and best. Colonial in style, it includes a separate dining room, attached garage, first floor lavatory, completely equipped kitchen, and basement playroom. The plan is well organized, and space, as for instance, in the small but uncramped hall, is economically used. The work space works, and the service entrance, right outside the kitchen window, is excellently located. Had a good landscape architect been employed to supervise planting, the house would have appeared to much better advantage. Cost: \$6,500. Cubage: 27,500 at about 231/2 cents per cubic foot.

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls poured concrete. Piers Cellar floor

Waterproofing - integral, Truscon Steel Co.

FRAME CONSTRUCTION

Wood

EXTERIOR SURFACE

Brick veneer-second-hand common brick whitewashed.

Shingles-red cedar shingles on garage portion.

ROOF \*

Slate on sheathing-1/4" Bangor slate.

Valleys Gutters copper Flashing

Down spouts-copper, 3" diam.

DOOR AND WINDOW FRAMES

Sash and frames-double hung, local mill. Doors and frames (exterior)-local mill.

PORCHES

Reenforced concrete.

GLASS

Libbey-Owens-Ford.

EXTERIOR PAINT

Shingles-painted, Atlantic white lead. Trim Dutch Boy, National Lead Co. Sash

LATH AND PLASTERING

Lathing

Metal-2.75 lb. Triplex.

Composition plaster base-metal lath backed aluminum foil.

INTERIOR WOODWORK

Floors-stained, Minwax.

Shelving and cabinets-local mill, architect's design.

INSULATING

Outside walls-2nd floor ceiling, eaves and outside walls aluminum-backed wire lath.

Weatherstripping - American Weatherstrip Co.

INTERIOR FINISHES

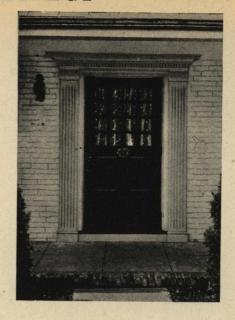
Floors-stained, Minwax.

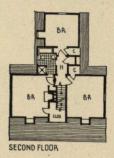
### REINHARD M. BISCHOFF, ARCHITECT

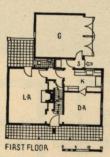














Dutch Boy white lead by National Lead Co., Valspar by Valentine Doors & Co. Living room, stain mix-Sash ture of linseed oil, umber, dryer. Wallpaper - Salubra, Imperial, Lloyd's, Thibaut.

Cable—General Electric Co. Electrical fixtures-David Kojan, handmade.

LIGHTING Direct

PLUMBING Kitchen

Sink-Formica top, Monel metal pan.

Cabinet-Millwork, local. Stove-Magic Chef by American Stove Co.

BATHROOM

Fixtures-Speakman.

Bath tubs
Toilets
Standard Sanitary.

Seats-Church Mfg. Co. Tile-National Tile Co.

PIPES

85 per cent copper (red brass).

HEATING

Home oil burner.

Boilers-Arco.

Radiators-concealed, Richmond Radiator Co. "Richwar."

Valves-Hoffman.

Hot water heater-Taco Heaters, Inc., New York.

Thermostat and regulators-Minneapolis-Honeywell.

CHIMNEY

Fireplaces

Facings-black face brick. Hearths-black tile.

Damper-cover throat.

HARDWARE

Interior-Sargent, Stanley. Exterior—Corbin.

SCREENS

Bronze

WINDOW DRESSING

Blinds-local mill, painted red.

### 50. HOUSE FOR KENNETH J. REMPP, GWYNEDD VALLEY,



The architect was obviously at ease with the changes of material demanded by the Pennsylvania farmhouse. Clapboards were originally added to the leaky fieldstone walls of these houses as protection for the more exposed elevations. Thus clapboards would appear on all walls with the same orientation. Modern insulation, however, allows these features to be arbitrarily decorative. The plan is typical, capably handled. The economy of local materials is reflected in the low cost of this house. Cost: \$5,940. Cubage: 22,771 at 26 cents per cubic foot.

### CONSTRUCTION OUTLINE

```
LATH AND PLASTERING
FOUNDATION
                                           DOOR AND WINDOW FRAMES
                                                                                          Lathing
                                              Sash and frames
  Walls
                                                                                            Composition plaster base-U. S. Gyp-
    and
             local stone.
                                              Double hung
                                                          white pine, specially milled.
  Piers
                                              Casement
                                                                                               sum Sheetrock.
                                              Doors and frames (exterior)-white pine.
  Cellar floor-
FRAME CONSTRUCTION
                                                                                          Plastering
                                           PORCHES
                                                                                            Patent plaster
  Douglas fir. structural grade.
                                                                                                             U. S. Gypsum Co.
                                              Kitchen porch-long leaf Georgia pine.
MASONRY CONSTRUCTION
                                                                                            Finishing coat
                                              Main porch-flagstone floor.
  Stone walls-local stone.
                                                                                       INTERIOR WOODWORK
EXTERIOR SURFACE
                                                                                          Floors-white oak.
  Clapboards-California redwood.
                                              Libbey-Owens-Ford double strength A.
                                                                                          Trim-poplar.
ROOF
                                           EXTERIOR PAINT
                                                                                          Doors-white pine.
   Wood shingles on shingle lath-Washing-
                                              Shingles-unfinished.
     ton red cedar.
                                              Siding | Priming
  Valleys
                                                                  lead and oil mixed
                                                                                       INSULATING
  Gutters
                                                   Finish coat
                 lead clad copper.
                                                                    on job.
                                                                                         Outside walls Balsam wool.
                                              Sash
  Flashing
                                                                                          Roof rafters
                                              Shutters-Cabot's Collopakes.
  Down spouts
```

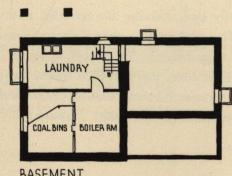
### PA., G. EDWIN BRUMBAUGH, ARCHITECT



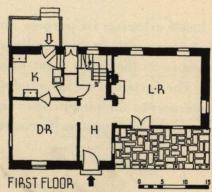
STAIR HALL



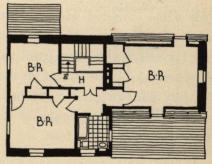
LIVING ROOM



BASEMENT



PLAN. Simple and direct. The circulation from kitchen to front entrance does not pass through intermediate rooms, a point frequently overlooked. One factor con-



SECOND FLOOR

#### INTERIOR FINISHES

Floors-stained and waxed.

Doors enameled. Sash -

Walls-tinted plaster, no paint.

#### WIRING

Cable-BX.

Electrical fixtures—locally purchased. Switches-Hubbell toggle.

#### LIGHTING

Direct-mostly lamps, few fixtures.

#### PLUMBING

Kitchen

Sink-enameled iron.

Stove

Refrigerator | electric.

tributing to the low cost of this house was the single bathroom on the second floor.

Fixtures-Kohler.

Bath tub-enameled iron.

Toilet-vitreous china.

Seat-white.

#### PIPES

Wrought iron.

#### HEATING

Boiler Radiators American Radiator Co.

Piping-Steel.

Hot water heater-coal.

Valves-Jenkins.

#### CHIMNEY

Fireplaces.

Facings—plaster.

Hearths-common hard red brick.

Mantels-wood.

Damper-Covert.

HARDWARE
Interior | hy Julius Remon Springby Julius Rempp, Spring-Exterior house, Pa.

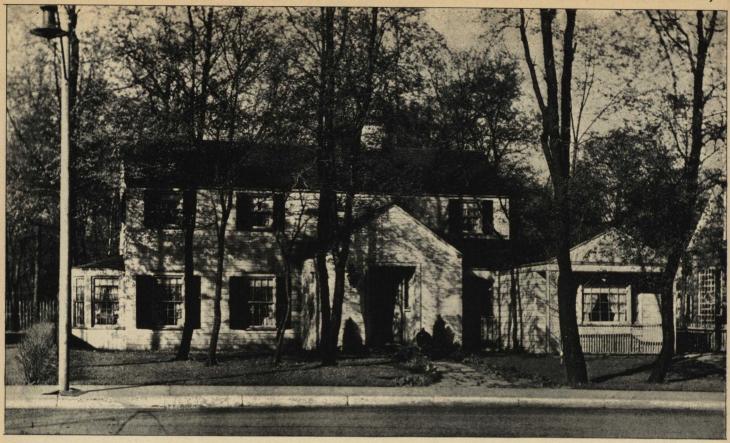
SCREENS

Wood.

WINDOW DRESSING

Done by owner.

### 51. HOUSE FOR JAMES E. GILLESPIE, N. TONAWANDA,



This white shingled, black shuttered house expresses its purpose directly and, striving for no trick architectural effects, pleasantly ornaments and fits in with its surroundings. The architect's original design sensibly and logically called for front garage doors on the street front where they belong. Neighbors objected and the doors had to be placed in the rear. The curtained garage window, therefore, was installed under protest. The bay window gives light and spaciousness to the pine-paneled living room. The circulation from kitchen to entrance hall by means of the narrow "sneak" passage is commendable. Cost: \$8,000. Cubage: 27,750 at 29 cents per cubic foot.

#### CONSTRUCTION OUTLINE

Walls-concrete block. Columns-lally. Cellar floor-cement. Waterproofing-blocks painted with asphalt. FRAME CONSTRUCTION Fir. MASONRY CONSTRUCTION Common brick walls, front entrance. EXTERIOR SURFACE Shingles-16" Dixie white shingles laid 7" to weather. Wood shingles on shingle lath-Creosote dipped and stained black, Creo-Dipt Co. Flashing copper. Composition sheathing paper.

DOOR AND WINDOW FRAMES Sash and frames Double hung and ) made according casement type to detail draw-Doors and frames ing. Meyer (exterior) Mill Co. Garage doors-built up of diagonal beaded siding. PORCHES Floor-flagstone laid in cement. Libbey-Owens-Ford Glass Co. EXTERIOR PAINT Trim lead, oil and turpentine, Dutch Sash Boy, National

LATH AND PLASTERING Lathing-wood. Plastering Patent plaster-Paragon. Finishing coat-lime and plaster of Paris. INTERIOR WOODWORK Floors-oak. Trim-white pine, hall and part of Meyer's Lumliving room ber & Mill Painted surfaces Co., North -white pine Tonawan-Millwork-made special da, N. Y. from detail drawings INSULATING \*Outside walls ) rock wool, Johns-Man-

ville.

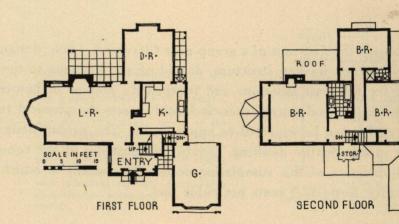
Roof rafters

FOUNDATION

### NEW YORK, CHARLES H. UMBRECHT, ARCHITECT



PLAN: Two bedrooms share the one bath. Guest room at rear has private bath with shower. The two long closets in the main bedroom may work better than they appear to in plan. The walls of these closets seem to shut off light from the two side windows.



Weatherstripping-metal, Accurate Metal Weatherstrip Co.

#### INTERIOR FINISHES

Floors-filled, stained, shellac and wax. Trim Doors Sash paint and enamel, Pratt & Lambert.

Wallpaper-Thibaut and Lloyd's.

#### WIRING

Switches-brass plate, toggle.

LIGHTING Direct.

PLUMBING

Sink-flat rim, Standard Sanitary Mfg.

Stove

General Electric Refrigerator Co. Washing machine

BATHROOM

Fixtures Bath tubs Standard Sanitary Mfg. Co. Toilets

Showers-Speakman.

Shower curtains-Standard Sanitary Mfg. Co.

Supply-brass. Soil and vent-wrought iron. HEATING

Coal-hot air furnace. Hot water heater-coal.

#### CHIMNEY

Fireplaces

Facings tile. Mantels-white pine.

Damper-"Peerless."

#### HARDWARE

Interior and exterior - hand-wrought iron.

#### SCREENS

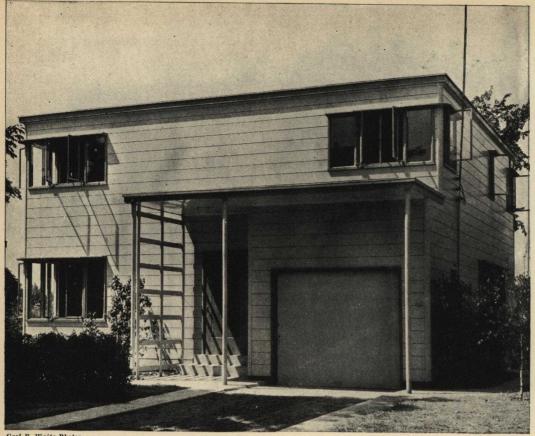
Bronze, frames white pine.

WINDOW DRESSING

Shades. Blinds.

CONSULT YOUR ARCHITECT FOR LOCAL COST FIGURES

### HOUSE 1 W, WILLOUGHBY, OHIO



Carl F. Waite Photos

FRONT

This house is the first unit of a group near Cleveland, Ohio, designed for speculative purposes. A square weather-boarded wooden structure, devoid of any pretense to the graces of "style," it is most efficiently devised for the least laborious and inexpensive scheme of housekeeping for a small family demanding modern comfort and convenience. It frankly meets the physical requirements in a realistic manner, and only a realist can be expected to appreciate it. The garden design is diverting, and smacks of the same orderly realism as the dwelling. Careful examination of the construction details below is essential to a just appreciation of this stimulating design. The extent to which built-in equipment has been used is noteworthy. Cost: 32.8 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION Walls and piers-concrete blocks. Cellar floor-cement. Waterproofing-Master Builders Co. FRAME CONSTRUCTION Wood. Girders-steel. EXTERIOR SURFACE Siding-flush wood. ROOF

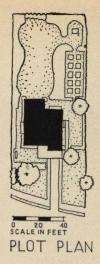
4-ply tar and gravel by Philip Carey Co., Lockland, Ohio.

Drains-"Josam" (require no flashing) by Josam Mfg. Co., Michigan City, Ind. Composition sheathing paper-Sisalkraft. DOOR AND WINDOW FRAMES Sash and frames Steel sash-Vento Steel Sash Co., Muskegon, Mich. Doors and frames (exterior)-wood. Garage doors-Stanley overhead type. GLASS Pennvernon, Pittsburgh Plate Glass Co. EXTERIOR PAINT Siding "Sunproof" by Pittsburgh Plate Trim Glass co. Sash LATH AND PLASTERING Lathing. Composition plaster base-Gold Band

Sheetrock by National Gypsum Co. Plastering Patent plaster-National Gypsum Co. INTERIOR WOODWORK Floors-oak. Painted surfaces-poplar. Shelving and cabinets-white pine. Stock millwork-poplar and birch. INSULATING "Gimco," General Outside walls-2" Rockwool Insulating and

### HAYS AND SIMPSON, ARCHITECTS





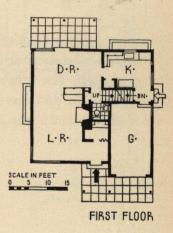








PLAN: The plan is simple, direct, efficient. A place to cook, a place to live, and a place to keep the car; upstairs, adequate provision for sleep, bathing and study. The many merits of the plan are obvious. In addition to advantages of cross circulation, concentrating windows at the corners results in reduced carpentry and fitting labor with attendant savings. Rooms with such window treatment are easy to furnish.



INTERIOR FINISHES

Floors-Minwax Co., Inc.

Trim
Doors
Co.

Walls and floors-Armstrong linoleum in kitchen, bath and lavatory. Wallpaper-balance of house.

Cable-Bx.

Electrical fixtures-Chase Brass and Copper Co.

LIGHTING

Direct.

PLUMBING

Cabinet | Kohler.

Wall fan-Victor Electric Products Co.

BATHROOM

Fixtures-Kohler Co.

Seats-Church Mfg. Co.

Walls and floor-Armstrong linoleum.

PIPES

Chase Brass and Copper Co.

HEATING Coal.

AIR CONDITIONING

Central-"Moncrief," The Henry Furnace

& Foundry Co., Cleveland, Ohio.

CHIMNEY

Fireplaces

Facings-wood.

Hearths-slate.

Damper-Donley Bros.

HARDWARE

Interior and exterior-P. & F. Corbin.

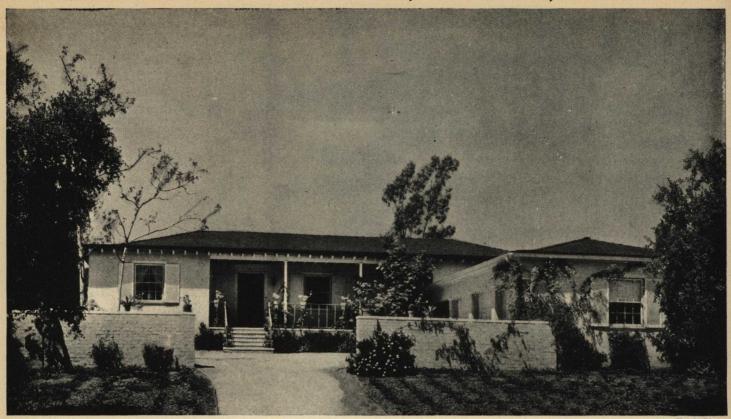
SCREENS

Metal frames by Vento Steel Sash Co.

WINDOW DRESSING

Venetian blinds-Western Venetian Blind Co.

#### HOUSE FOR PAUL PULLIAM, PASADENA, CALIFORNIA 53.



Haight Photos

THE wall adds to the feeling of spaciousness of this house and gave a good landscape architect a good surface against which he could plant. It also creates a semi-private court and to some extent masks the garage. The thin supports for the roof, similar to those in the architect's house for the Los Angeles Times (No. 32), have particular grace. An excellent touch was the use of white shutters against white walls. Cost: \$9,000. Cubage: 33,000 at about 27 cents.

LANDSCAPE ARCHITECT, FRED BARLOW

#### CONSTRUCTION OUTLINE

FOUNDATION Walls Piers Cellar floor

concrete.

Waterproofing-Succonem.

FRAME CONSTRUCTION Douglas fir throughout with exception of redwood sills.

EXTERIOR SURFACE

Common brick veneer and vertical redwood boards. Riverside Portland Cement Co.

Stucco-Monolith Portland cement plaster, brush coated.

ROOF

Wood shingles on shingle lath—red cedar "Royal."

Valleys Gutters Armco iron galvanized. Flashing

Down spouts Composition sheathing paper-Sisalkraft.

DOOR AND WINDOW FRAMES Doors and sash-sugar pine. Frames-vertical grain Douglas fir.

PORCHES

Common brick floor.

Pennvernon clear glass, Pittsburgh Plate Glass Co.

EXTERIOR PAINT Shingles-oil stained. Siding Trim lead and oil paint.

LATH AND PLASTERING

Lathing

Wood-Douglas fir.

Plastering

Patent plaster-Arden hardwall. Finishing coat-smooth putty coat.

INTERIOR WOODWORK

Trim and floors

Hardwood-No. 1 common oak. Stainwoods-white pine selected for knots.

Painted surfaces vertical grain Shelving and cabinets ) Douglas fir.

### H. ROY KELLEY, ARCHITECT



REAR GARDEN

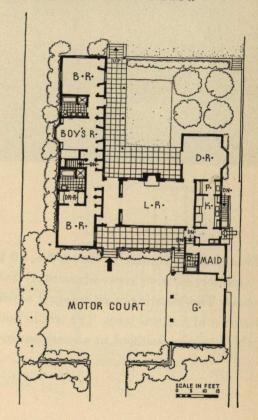


DETAIL, ENTRANCE PORCH



LIVING ROOM

PLAN: The motor court seems most practical allowing the automobile to drive to the front door and then into the garage. The entrance through the house and out into another court is pleasing. The long row of closets along the bedroom walls is unusual. The Z-shaped plan takes advantage of exposures.



#### INSULATING

Weatherstripping - Monarch on exterior

#### INTERIOR FINISHES

Trim enamel finish with Vitrolite en-Doors | enamel finish with Vitrolite e | amel except where stained.

Walls-painted except in bedrooms and dining room.

Wallpaper-in dining room and bedrooms.

#### WIRING

Rigid iron conduit.

Electrical fixtures-Luminaire Co., Los Angeles.

Switches-Bryant.

#### LIGHTING

Direct.

#### PLUMBING Kitchen

Sink-Standard Sanitary 2-compartment sink built in kitchen casework.

Stove

Refrigerator Washing machine

#### BATHROOM

Fixtures-Standard Mfg. Co. throughout. Tile-Gladding, McBean & Co., Los Angeles.

#### PIPES

Steel.

Gas-furnaces, unit type, Payne Furnace & Supply Co.

Hot water heater-Day and night automatic storage type.

#### CHIMNEY

#### Fireplaces

Hearths common brick.

Mantels—wood.

Damper — Richardson damper and throat form.

#### HARDWARE

Interior and Exterior-Russwin.

#### SCREENS

In-Vis-O Disappearing Roller Screen Co.

### 54. HOUSE FOR CHARLES S. BARKELEW, SAN GABRIEL,



Haight Photos

This house is similar to House No. 30 by the same architect. The gable roofs, here preferred to hip roofs, are a simpler, cleaner, more elementary form. The courtyard, also, seems simpler than the court of the preceding house. The planting is an integral adornment of the house, accenting the horizontality of the house by the contrast of vertical trees. The whole house is finely proportioned. The bay window too often merely a "bad habit" is here justified in a room so tiny. Cost: \$6,300. Cubic feet: 23,000 at 27½ cents.

LANDSCAPE ARCHITECT, FRED BARLOW

LATH AND PLASTERING

### CONSTRUCTION OUTLINE

FOUNDATION Walls Piers concrete. Cellar floor FRAME CONSTRUCTION Douglas fir throughout except redwood sills. EXTERIOR SURFACE Brick veneer-Simons common brick. Vertical boards-redwood. Stucco-Monolith Portland cement plaster, brush coated. ROOF Wood shingles on shingle lath-5 to 2" vertical grain red cedar.

Flashing Toncan iron galvanized.

Composition sheathing paper-Sisalkraft.

DOOR AND WINDOW FRAMES Sash and frames sash of sugar pine, Double hung frames of vertical Casement grain Douglas fir. Door and frames (exterior)—doors sugar pine, frames vertical grain Douglas fir. Garage doors-"Over the Top," Frantz Mfg. Co. PORCHES Brick floor-Simons common brick. GLASS Libbey-Owens-Ford clear glass. EXTERIOR PAINT Shingles-oil stain. Trim Sash Lead and oil paint.

Lathing Wood-Douglas fir. Plastering Patent plaster-Arden hardwall. Finishing coat-smooth putty coat. INTERIOR WOODWORK Trim and floors Hardwood-13/16" No. 1 common oak flooring. Stainwoods-white pine selected for Painted surfaces-vertical grain Douglas fir. Shelving and cabinets-vertical grain

Douglas fir.

Valleys

## CALIFORNIA, H. ROY KELLEY, ARCHITECT



LIVING ROOM PORCH

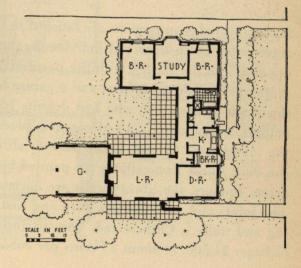


LIVING ROOM

PLAN: Similar to House No. 30 with the entrance on axis to entrance to inner court. The elimination of the breakfast nook and the conversion of the living and dining rooms into one large room for the Joint purposes might have proved more pleasant planning. The study is well isolated and can be used as a bedroom for the unexpected guest.



DETAIL, ENTRANCE



#### INSULATING

Weatherstripping—Monarch on exterior doors.

#### INTERIOR FINISHES

Floors—stained, filled and waxed.

Trim
Doors
Pratt & Lambert Vitrolite
enamel.

Walls—painted 3 coats oil paint except in bedrooms and dining room.

Wallpaper-bedrooms and dining room.

#### WIRING

Cable—rigid iron conduit.

Electrical fixtures—Luminaire Co., Los
Angeles.

Switches—Bryant.

#### LIGHTING

Direct

#### PLUMBING

Kitchen

Sink—Crane Co. flat-rim sink built-in.

Stove Refrigerator

Refrigerator
Washing machine

BATHROOM

Fixtures—Crane Co.

Shower curtains—"Emdee" colored cur-

Tile—Gladding, McBean & Co., Los Angeles.

PIPES

Steel

#### HEATING

Radiators — James B. Clow non-vented gas steam.

Hot water heater—Crane Co. "Superior."

#### CHIMNEY

#### Fireplaces

Facings Simons common brick.

Hearths Simons common brick.

Mantels—wood.

Damper — Richardson damper and throat form.

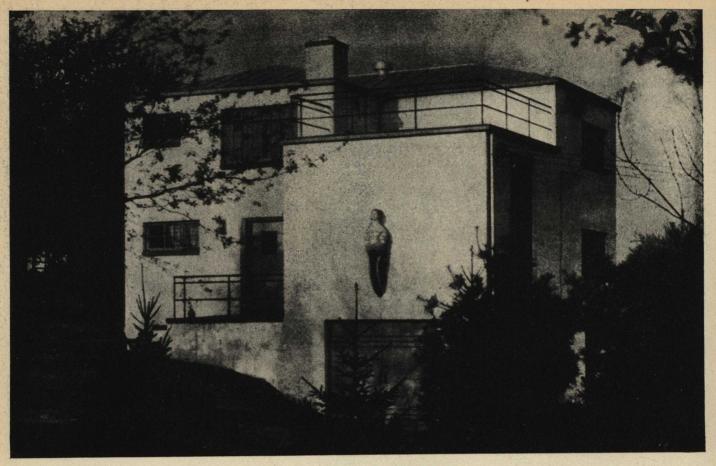
#### HARDWARE

Interior and exterior—old brass finish, Russell and Erwin Mfg. Co.

#### SCREENS

Roller screens—"Inviso," In-Vis-O Disappearing Roller Screen Co.

### 55. HOUSE FOR THORSTEN SIGSTEDT, BRYNATHYN



Many unusual requirements are satisfied in this servantless house for three people: a large, high ceilinged studio with north light and individual entrance as far as possible from the rest of the house; a library opening into the studio, with the possibility of using the two together for social purposes; a living room-dining room, and a kitchen; and a garage to be included within the walls of the house. The design met the views of the client who had definite ideas about modern continental architecture. With stone foundations, the house is built of concrete blocks painted white. The steel sash are painted blue-gray; and the raised seam in roof is coated with aluminum paint to reflect the heat. Over the studio is a canvas sun deck whose iron railings are painted blood red. The wooden doors are painted two shades of pale sea green. Indoors, the library walls are horizontally boarded with white pine, stained a light, warm gray. The joints and solid bridges have one coat of aluminum paint, rubbed, and the molding between ceiling and walls is Chinese red. Cost, exclusive of architect's fee and finished grading of garden, \$5,830. Cubage: 21,500, at about 27 cents per cubic foot.

### CONSTRUCTION OUTLINE

```
FOUNDATION
  Walls-retaining, stone masonry-other,
     Nailcrete block, Ellis Concrete Prod-
      ucts Co., Bridgeport, Pa.
  Columns-Nailcrete block.
  Cellar floor-cement on cinder fill.
   Waterproofing-none.
MASONRY CONSTRUCTION
   Walls-Nailcrete block masonry, 12" be-
      low 1st floor, 8" above 1st floor, Ellis
      Concrete Products Co., Bridgeport,
FRAME CONSTRUCTION
   Floor Joists-hemlock and yellow pine.
   Studding
             hemlock.
   Plate
   Rafters
   Girders-I-beams in basement.
   Bridging-solid yellow pine.
```

```
EXTERIOR SURFACE
                       "Deck"
                                 (cypress
   Weatherboards
                  at
     "Drop" siding).
  Nailcrete wall surfaces painted 2 coats
            "Bondex," Pittsburgh Plate
     white
     Glass Co.
ROOF
   Raised seam 40 lb. Target & Arrow Tay-
     lor's roofing tin on 7/8" sheathing.
     Painted 3 coats Pittsburgh Plate Glass
     Co. aluminum paint.
  Down spouts Toncan.
DOOR AND WINDOW FRAMES
   Sash and frames-steel casement, David
      Lupton's Sons residential type.
   Doors and frames (exterior)-one Lup-
     ton's steel door, others cypress.
   Garage doors-braced batten cypress.
```

```
Quality A, flat-drawn, double thick.
EXTERIOR PAINT
   For block masonry see "Exterior Wall
     Surface."
   Siding-3 coats ready mixed exterior
     white.
   Trim
   Sash
            4 coats ready mixed
   Gutters
               oil paint.
   Railings
LATH AND PLASTERING
   Lathing-wood, spruce.
   Plastering
      Patent plaster-Red Top, U. S. Gypsum
         Co.
      Finishing coat—sand float finish, non-
         textured.
```

## PENNSYLVANIA, DOMINIQUE BERNINGER, ARCHITECT



LIVING-DINING ROOM

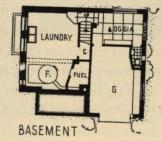


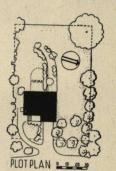


ENTRANCE DETAIL WITH GARAGE BELOW









PLAN: The basement, besides containing the laundry and garage, provides for a loggia at garden level. As no servant is contemplated, the ground floor plan logically provides a kitchen window commanding the approach to the front door. The easy rise of the steps deserves a special word of

#### INTERIOR WOODWORK

Trim and floors-longleaf quarter-sawed yellow pine.

Hardwood-white oak treads.

Painted surfaces poplar and

Shelving and cabinets white pine.

INSULATING

Outside walls-triple ply waterproof Cabot's Quilt.

Attic floor-4" bulk Gimco rock wool and B type aluminum foil, Reynolds Metals Co., Inc.

Weatherstripping-none.

INTERIOR FINISHES

Floors-stained, shellacked, waxed.

Doors oil paint.

Walls-natural sand finish plaster.

Cable-BX.

LIGHTING

Direct and indirect.

PLUMBING

Sink-Standard Sanitary Mfg. Co. Cabinet-wood as detailed. Refrigerator-Frigidaire, Division of

General Motors Corp.

BATHROOM

Fixtures Bath tubs Toilets

Standard Sanitary. Mfg. Co.

Seats Showers

Walls-Masonite "Presdwood" painted

and enameled, secured with chromiumplated washer screws.

PIPES

Copper tubing.

AIR CONDITIONING

Winter only.

Central-Fox Furnace-American Radiator system, coal-fired.

CHIMNEY

Fireplaces

Facings Hearths brick.

Damper-H. W. Covert, improved.

HARDWARE

Interior and exterior-P. & F. Corbin.

SCREENS

Sliding copper mesh in wood frames.

#### HOUSE FOR MARK M. HENDERSON, CHARLOTTESVILLE 56.



Dignity and interest attach to this house with the two-story veranda. The plan is straightforward and was evidently adopted to meet the peculiar and agreeable conditions of the site. In design, the house savors of local traditions, though there is no affected archæological forcing to be detected. For the sake of the outlook, the living rooms were turned away from the street and toward the community commons; by the same token, the garage, kitchen entrance and kitchen were placed facing the road. The dwelling was planned for a man and wife, their widowed daughter and her son. No servant's room is included. The inconspicuous entrance, through a porch between the end of the living room and the side of the garage, might puzzle the approaching visitor. The sun room, living room and dining room occupy the whole "commons" front of the house, and all open onto a paved terrace under the high arcade of the lower veranda. The principal bedrooms open on the upper veranda. Cost, approximately \$8,000.

#### CONSTRUCTION OUTLINE

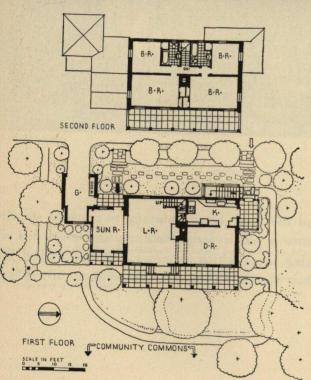
FOUNDATION
Walls
Columns concrete, Volunteer Cement
Cellar floor Co., Louisville, Ky.
Waterproofing - integral, "Flamingo,"
Riverton Lime Co. Inc., Riverton, Va.
FRAME CONSTRUCTION
Virginia yellow pine, creosoted.
EXTERIOR SURFACE
Stone veneer—local fieldstone.
Clapboards-random width, shiplapped
rough sawn, Virginia pine.
ROOF
Wood shingles on shingle lath—"Aristo-
crat" cypress, textured.
Gutters copper, Chase Brass &
Flashing >
Down spouts Copper Co.
DOOR AND WINDOW FRAMES
Sash and frames

```
Double hung with
         "Unique' sash
        balances, Unique
                            Virginia pine,
         Window Balance
                               special
        Co.
     Casement type
                               design.
   Doors and frames
     (exterior)
   Garage doors
PORCHES
   Brick floor-Monticello Brick Co.
   Floor on covered porch-No. 1 heart
      Virginia pine.
   Single strength, quality A, Libbey-Owens-
      Ford Glass Co.
EXTERIOR PAINT
   Roof shingles-creosote stain, gray.
```

Priming—lead and oil, "Dutch						
Siding Trim Sash  Priming—lead and oil, "Dutch Boy," National Lead Co. Finish coat—Cabot's double white.						
Trim Finish coat—Cabot's double						
Sash white.						
ATH AND PLASTERING						
Lathing						
Composition plaster base — Celotex						
lath, Celotex Co.						
Plastering						
Patent plaster-Red Top, sand finish,						
U. S. Gypsum Co.						
NTERIOR WOODWORK						
Floors—wide pine boards.						
Trim \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						
Trim Virginia pine, Shelving and cabinets special design.						
NSULATING						
Outside walls-Celotex lath, 2" air space						

### VIRGINIA, MILTON L. GRIGG, ARCHITECT





ENTRANCE DETAIL



PLAN: Stairs ascend from the adjacent corner of the living room. There is no direct passage from the kitchen to the front door. Such remoteness, even in a home with service, is open to criticism. Excellent is the planning of the sun room, living room and dining room area so that all connect by large openings, making virtually one great room, though each may be separated by screens or curtains. The bathrooms, centrally located, are entered only from the hall.

between frame construction and stone veneer.

Roof rafters Red Top bat rockwool, Attic floor U. S. Gypsum Co. Weatherstripping-Monarch Co.

#### INTERIOR PAINTING

Floors-filled and waxed.

painted flat finish, Sherwin-Wil-Doors liams Co.

Walls-"Farbo" cold water paint, Farboil Paint Co.

#### WIRING

Cable—Trumbull Electric Co.

Electrical fixtures—antique fixtures re-

Switches—Trumbull Electric Co.

#### LIGHTING

Direct

#### PLUMBING

Sink-Standard Sanitary Mfg. Co. Cabinet-Monel metal top by International Nickel Co., wood below. Stove-General Electric Co. Refrigerator — Westinghouse Electric

& Mfg. Co.

BATHROOM

**Fixtures** 

Cabinets Standard Sanitary Mfg. Co. Toilets

Seats-Church sani-white.

Floor-linoleum, Armstrong Cork Products Co.

Copper-Streamline Pipe & Fittings Co., Division of Mueller Brass Co.

#### HEATING

Oil-Gilbert & Barker Co. American Boilers-"Red Flash" Radiator Radiators-"Corto"

Hot water heater—none, hook-up to oil

#### CHIMNEY

Fireplaces

Facings Hearths brick.

Mantels-wood (antique).

Damper-Old Style, H. W. Covert Co.

#### HARDWARE

Interior and exterior-Sargent Mfg. Co. with antique locks and hinges.

#### SCREENS

Wood frames

#### WINDOW DRESSING

Shades-"Mayflower," Belknap Co.

### DEVELOPMENT HOUSE, CHATHAM, NEW JERSEY



The cheerful white exterior, accented by dark shutters, and the large brick chimney to connote stability, conspire to give this house an unaffected appeal. The house is particularly fortunate in its wooded site. Inside, the open stair increases the spaciousness of the living room which occupies half the ground floor area. All rooms except the kitchen have cross ventilation. Cost: \$6,000. Cubage: 18,000 at about 33 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls-poured concrete (1:11/2:3), concrete blocks for garage Columns-4" lally.

Cellar floor-6" concrete slab. Waterproofing-none.

FRAME CONSTRUCTION Douglas fir. Sheathing-North Carolina pine.

EXTERIOR SURFACE

Shingles-edge grain red cedar, 18" No. 1 "Perfection." Clapboards-redwood.

Wood shingles on shingle lath-edge grain red cedar, 18" No. 1 "Perfection" on 1"x2"

Valleys Gutters

14 oz. copper, American Flashing Brass Co. Down spouts

Salt glazed tile drains-4" copper. Composition sheathing paper.

DOOR AND WINDOW FRAMES

Sash and frames

Double hung-clear white pine, Andersen Frame Corp.

Doors and frames (exterior)-No. 2 pine. Garage doors-fir.

PORCHES

Floor-%" matched pine.

GLASS

Quality B.

EXTERIOR PAINT Shingles-Brush stained, "Dutch Boy," National Lead Co.

Siding Trim 3 coats oil paint. Sash

LATH AND PLASTERING

Lathing

Wire-all corners, garage and bath. Wood-No. 1 spruce balance of house. Plastering-3 coats, trowel finish.

INTERIOR WOODWORK

Floors-select red oak. Trim-white pine. Stair treads-oak. Stair railings-birch. Painted surfaces

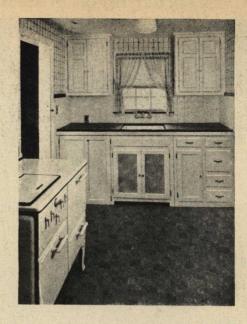
Shelving and cabinets white pine. Stock millwork

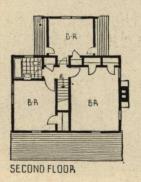
INSULATING

Attic floor-4" Cabot's Quilt.

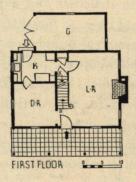
### RANDOLPH EVANS, ARCHITECT

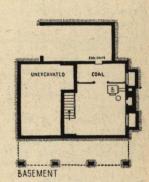






PLAN: Second floor plan quite workable. In so small an establishment, direct access from kitchen to living room should prove a great convenience. The proximity of the garage and kitchen doors appears to cause unnecessary congestion. Second floor closet space is unevenly distributed.





Weatherstripping-metal, all doors and windows.

#### INTERIOR FINISHES

Floors-shellacked and waxed, kitchen-Armstrong linoleum.

Trim

Doors oil paint.

Wallpaper-all rooms except kitchen and bath.

#### WIRING

Cable-BX.

Electrical fixtures-brass. Switches-toggle.

#### LIGHTING

Direct.

#### PLUMBING

Kitchen.

Sink

Drain boards-tile, Franklin Tile Co., Lansdale, Pa.

Stove

Refrigerator

Washing machine

#### BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Seats-Church Mfg. Co.

Floors and walls-tile, Franklin Tile Co.

#### PIPES

Brass.

#### HEATING

Radiators American Radiator Co. Piping-1 pipe steam.

Valves-American Radiator Co.

Hot water heater-Excelso Products Corp., Division American Radiator &

Standard Sanitary Corp.

#### CHIMNEY

Fireplaces

Facings-wood and face brick.

Mantels-wood.

Damper-H. W. Covert Co.

#### HARDWARE

Interior and exterior-brass with black finish, Schlage Lock Co.

#### WINDOW DRESSING

Shades-Holland Shade Co. Blinds-white pine, louvered.

### 58. HOUSE FOR MARJORIE MILLS BURNS, WINCHESTER



PROBLEM: To plan a home of informal character for a man and his wife, one daughter and a servant; the rooms to be small and easily cared for; the house to be placed on an irregular corner lot of 65 ft. frontage, with set-back restrictions of 30 ft. from main road, 20 ft. from secondary road, and 10 ft. from property line along the other side.

Both in structure and downstairs plan the architect has adhered to an early New England type, so far as it was compatible with modern conditions and equipment. On a concrete foundation, the house is brick-veneered for one story across the front with old sidewalk bricks; the rest is walled with cedar clapboards stained brown, and the roof is shingled. The sash are painted red, the trim light brown, and the door oyster white. The vertical boarding of the interior is pine, molded along the edges. Insulation, brass piping, complete electric cooking and refrigerating appointments, and an oil burning furnace are included in the equipment. Cost, \$9,700, or about 32 cents per cubic foot.

#### CONSTRUCTION OUTLINE

#### FOUNDATION

Cellar floor soncrete.

FRAME CONSTRUCTION
No. 1 spruce.
Girders—No. 1 fir.

#### EXTERIOR SURFACE

Brick veneer—old dark waterstruck brick formerly used in sidewalks.
Clapboards—California red cedar.

#### ROOF

Wood shingles on sheathing—16" Perfection cedar.
Gutters—wood.
Down spouts—16 oz. copper.

Composition sheathing paper-Sisalkraft.

#### DOOR AND WINDOW FRAMES

Sash and frames—double hung and casement type, white pine. Doors and frames (exterior)—white pine. Garage doors—matched redwood built up on job.

#### PORCHES

Floor—old sidewalk brick, basket weave pattern.

#### GLASS

Pennvernon, quality A, Pittsburgh Plate Glass Co.

#### EXTERIOR PAINT

Siding—weathered brown oil stain.
Sash—3 coats "Kyanize," Boston Paint
& Varnish Co.

#### LATH AND PLASTERING

Lathing
Metal—Milcor Steel Co.

Composition plaster base—Rocklath. Plastering

Patent plaster—U. S. Gypsum Co. Finishing coat—lime putty.

#### INTERIOR WOODWORK

Floors—select oak.
Trim

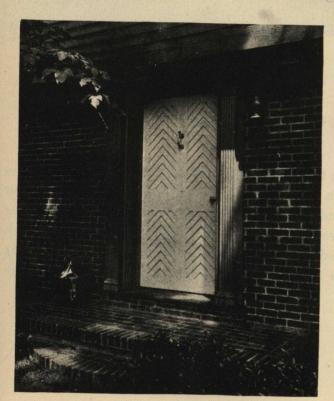
Stainwoods—country pine.
Painted surfaces—whitewood.
Shelving and cabinets—whitewood.

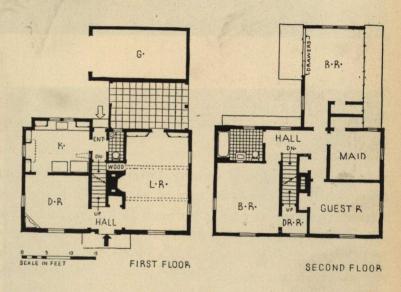
#### INSULATING

Outside walls 2-ply Cabot's Quilt.
Attic floor
Weatherstripping—Chamberlin.

## MASSACHUSETTS, JEROME BAILEY FOSTER, ARCHITECT







PLAN: While downstairs the traditional central chimney type, with stair adjacent and rooms on each side, has been only slightly modified, the upstairs plan shows more change. There is a generous bathroom and the space over the garage and connecting loggia has been well employed for a bedroom.

INTERIOR PAINTING

Floors-Lignophol, L. Sonneborn Sons,

Inc., New York City.

Doors | Kyanize, Boston Paint and Var-Sash | nish Co.

Walls WIRING

Cable—BX.

Electrical Fixtures—Sack Inc., Boston,

Mass.

Switches-Hart & Hegeman.

LIGHTING

Direct.
PLUMBING

Kitchen

Sink — Monel metal, International Nickel Co.

Stove—Crawford Electric Range.

Refrigerator—Frigidaire Division

Refrigerator—Frigidaire Division of General Motors Corp.

BATHROOM

Bath tubs—Kohler "Metropolitan," wnite.
Toilets—Standard Sanitary, one piece,

Tile—hand-made special 3"x3", bluegreen faience walls and floors.

PIPES

Copper—Streamline Pipe & Fittings Co., Division of Mueller Brass Co.

HEATING

Oil—one pipe steam, "Ballard" oil burner.

Boilers-Richardson & Boynton.

Radiators — "Arco" convector type, American Radiator Co. Piping-wrought iron.

Valves—No. 2B vacuum valves, Dole Valve Co.

Hot water—connected to boiler with aquastat.

Thermostat and regulators—Minneapolis-Honeywell Regulator Co.

CHIMNEY

Fireplaces

Facings Hearths brick

Damper Old Style, H. W. Covert Co.

HARDWARE

Interior and exterior—brass and wrought iron, Sack, Inc., Boston, Mass.

SCREENS AND SHADES

By P. W. Merrill Co., Boston, Mass.

### 59. HOUSE AT SAN MARINO, CALIFORNIA



Haight Photos

A front of sophisticated severity, tastefully planted, facing the street, is in contrast to the treatment of the court, which performs the role of an open-air living room. The house is divided into two parts, the front section consisting of master bedroom with living, dining and kitchen facilities and a rear section consisting of two bedrooms and bath, maid's room and garage. The two rear bedrooms, circuitous of approach through front entry, may be conveniently and independently reached through the breakfast room porch. The living room with glazing on one side is virtually a shelter off the court. The long narrow kitchen with cross ventilation is efficient. Cost: \$8,500.

#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls and piers-concrete.

Cellar floor-cement.

Waterproofing-by Super Concrete Emulsion, Ltd.

#### FRAME CONSTRUCTION

Douglas fir Hammond Lumber Co. Sills-Redwood

Girders-Steel.

EXTERIOR SURFACE

Stucco-by California Stucco Co.

#### ROOF

Hand-split cedar shakes.

Valleys

Gutters

Armco galvanized Flashing

Down spouts

Salt glazed tile drains-Pacific Clay Products Co.

#### DOOR AND WINDOW FRAMES

Steel frames and sash-Fenestra by Detroit Steel Products Co.

Doors and frames (exterior)-wood doors of sugar pine, French doors-steel. Fenestra.

Garage doors-sugar pine overhead doors by Wread Overhead Door Co.

#### PORCHES

Cement-blocked off in 12" squares, colored. Lithacreme color hardener-L. M. Scofield Co.

#### GLASS

Lustra glass-Pittsburgh Plate Glass Co.

Shingles-natural.

Trim and sash-Cabot's Collopakes.

#### LATH AND PLASTERING

Lathing-metal in garage, Diamond mesh copperbearing by Milcor Co., 1" mesh chicken wire over wood lath in kitchen and bath, wood lath balance of house. Plastering-Blue Diamond Co. hardwall

patent plaster. Finishing coat-interior stucco by California Stucco Co.

#### INTERIOR WOODWORK

Trim-California pine.

Floors-oak.

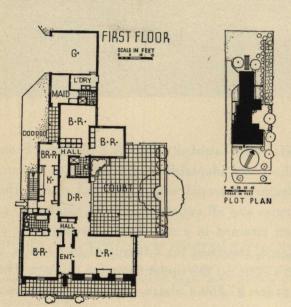
Painted surfaces. Shelving and cabinets.

California pine.

### WITMER AND WATSON, ARCHITECTS



COURT DETAIL





#### INSULATING

Outside walls-Sisalkraft.

Ceiling—Insulite wallboard. Insulite Co. Weatherstripping—front door by Chamberlin Metal Weatherstrip Co.

INTERIOR FINISHES

Floors-Durako and Johnson's wax.

Trim
Doors
Sash
Paint and enamel,
Fuller Co.

Walls-paint, Fuller Co.

WIRING

Cable-General Electric.

Electrical fixtures—brass by B. B. Bell Co.

Switches-Harvey Hubbell, Inc.

LIGHTING

Direct.

#### PLUMBING

Kitchen.

Sink-enameled iron. Crane Co.

#### BATHROOM

Fixtures—enameled iron by Crane Co.
Cabinets—enameled iron. Albatross Co.
Bath tubs—enameled iron by Crane Co.

Toilets-Vitreous china.

Seats-Church Co. white.

Showers—Crane Co.

Shower curtains—cotton, Bud Brand Products Co.

Tile-ceramic and glazed by Gladding, McBean & Co.

#### PIPES

Steel and cast iron by U. S. Steel Tube

#### HEATING

Gas-fired hot air by Payne Furnace Co. Ducts—tin.

Hot water heater—gas fired storage type
—Hoyt Co.

#### AIR CONDITIONING

Fans available for Payne furnaces to blow natural cool air through ducts.

#### CHIMNEY

Fireplaces.

Facings and mantels—common brick, Los Angeles Brick Co.

Hearths—brick tile, Gladding, McBean & Co.

#### HARDWARE

Interior and exterior-Sargent.

#### CREENS

Roller screens by Inviso Roller Screen Co.

### 60. HOUSE OF JAMES GAMBLE ROGERS II, WINTER PARK



On an island intended to reproduce a little corner of France, this house faithfully follows a northern French farmhouse tradition; the ensemble is appealing and indicates the ready adaptability of this type to the needs of a modest domestic establishment. Construction is entirely frame, veneered with brick and stucco whitewashed, the roof is covered with random width hand-riven shingles and all exposesd timbers, inside and out, are hand-hewn. The result is a mellowness of textures not often attained in a new house. Living room and kitchen are both open to the peak of the roof, the timbers exposed. Designed for a family of two adults, the owners' bedroom is on the ground-floor to save steps, the guest's suite on the upper floor for privacy. There is no heating other than by fireplaces. Cost, including architect's fee, \$7,260. Cubage, 21,586 at 33.6 cents per cubic foot.

#### CONSTRUCTION OUTLINE

#### FOUNDATION

4" reenforced concrete slab laid on grade level. Slab covered with one thickness of 30 pound felt mopped in place with hot asphalt. A second 3" slab is poured over the first.

#### FRAME CONSTRUCTION

Longleaf yellow pine.

First floor—sleepers secured with "Bull Dog" floor clips placed in concrete slab.

Rafters-hewn by hand where exposed.

#### EXTERIOR SURFACE

Brick veneer—second hand non-vitrified paving brick, 4x4x8.

Clapboards-heart cypress.

Stucco-made with Florida Portland cement.

#### ROOF

Wood shingles on sheathing—rived from local cypress hearts.

Valleys | Anaconda 16 oz. copper.

Composition sheathing paper—Sisalkraft.

DOOR AND WINDOW FRAMES

Sash and frames—casement type, cypress.

Doors and frames cypress made at

(exterior) | cypress made | local mill.

PORCHES

Reenforced concrete slab, Florida Portland cement.

#### GLASS

Libbey-Owens-Ford flat drawn sheet glass.

#### EXTERIOR PAINT

Roof shingles—dipped before application, then given one coat of creosote.

Siding Trim Creosote.

LATH AND PLASTERING

Lathing—wood, yellow pine.
Plastering—3 coats ivory.

#### INTERIOR WOODWORK

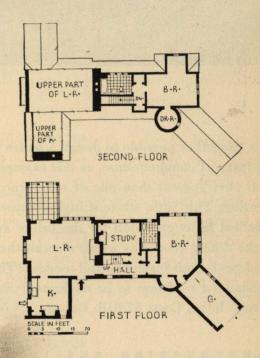
Floors—random width yellow pine 4" to 20" wide.

Trim Cypress, by Shelving and cabinets local mill.

# FLORIDA, JAMES GAMBLE ROGERS II, ARCHITECT



PLAN: Circular turret facilitates adjustment of the canted garage to the rest of the structure. If the turret had been used for the stair, instead of being made into a guest's dressing room, there would have been some additional space both upstairs and down. This is merely a possible alternative; the plan is thoroughly satisfactory as it stands.



### INSULATING

Outside walls-30 lb. felt paper.

Roof rafters-Celotex.

Weatherstripping-Florida Weatherstrip Co. of Orlando.

### INTERIOR PAINTING

Floors-Minwax.

Trim Sherwin-Williams oil stain, oil

paint in bathrooms. Sash

### WIRING

Cable-BX.

Electrical fixtures-made to order by Ye Old Forge, Orlando.

### LIGHTING

Direct

### PLUMBING

Kitchen

Sink-Crane flat rim.

Cabinet-local manufacture.

Stove-Westinghouse electric, "Flavor Zone."

Refrigerator-Kelvinator.

### BATHROOM

Fixtures

Bath tubs Standard Sanitary Mfg. Co. Toilets

Seats-Church Sani-White.

Showers-Standard Sanitary Mfg. Co. Tile-3"x6" white.

### PIPES

Copper by Mueller Brass Co.

### HEATING

None

Hot water heater-Holyoke Heater Co.

### CHIMNEY

Fireplaces

Facings-plaster.

Hearths-second hand brick and cement.

Mantels-wood.

Damper-Colonial throat and damper.

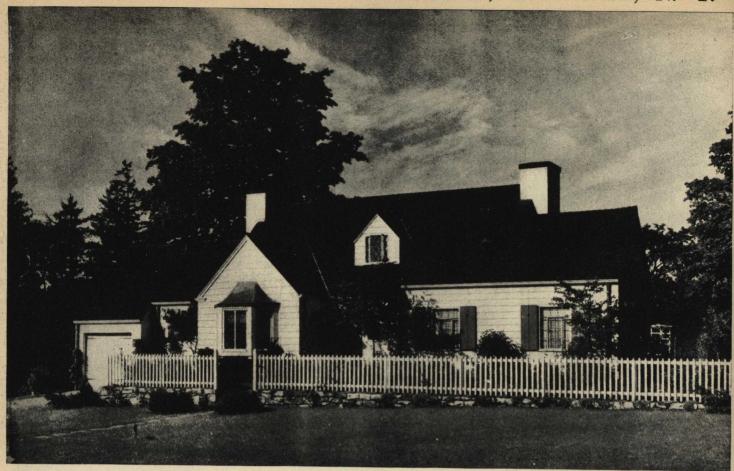
### HARDWARE

Interior and exterior-McKinney hand forged.

### SCREENS

18 mesh copper.

# 61. HOUSE FOR GEORGE V. CHRISTIE, PURCHASE, N. Y.



John Gass Photos

It is altogether possible to design a house in the romantic manner without lapsing into sentimentality or taking leave of common-sense, as this example proves. Generally, such a house will fit more consistently into the local environment than one of more uncompromising characteristics that might appear overdressed for the occasion. This little white shingled house, for all its picturesque reminiscence of early Victorian modes, is practical in its provision for the future and in its construction and equipment. While the latticed casements of the dining room bay window recall the era of Jane Austen, the metal casement adaptation of the other windows is both ingenious and modern. Though the upper floor is not needed for present occupancy, it shows forehanded readiness to be made easily into two bedrooms and a bathroom, with good closets and generous storage lofts. Cost: \$7,610. Cubage: 24,600, at 31 cents per cubic foot.

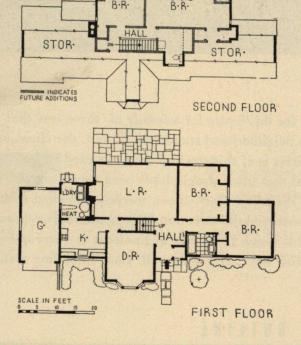
### CONSTRUCTION OUTLINE

```
FOUNDATION
                                             DOOR AND WINDOW FRAMES
                                                                                          LATH AND PLASTERING
   Walls and
              columns - hollow cement
                                                Sash and frames
                                                                                             Lathing
     blocks.
                                                  Steel sash-Fenestra, Detroit Steel
                                                                                                Metal-expanded, Milcor Steel Co.
FRAME CONSTRUCTION
                                                     Products Co.
   No. 1 fir.
                                                   Doors and frames white pine, Cur-
                                                                                                Patent plaster-fibered hydrated lime,
                                                                        tis Companies,
  Girders-long leaf yellow pine.
                                                     (exterior)
                                                                                                   U. S. Gypsum Co.
                                                  Garage doors
                                                                        Inc.
                                                                                                Finishing coat-hydrated lime and
EXTERIOR SURFACE
                                                                                                  putty, U. S. Gypsum Co.
  Shingles-red cedar, Weyerhaeuser.
                                             PORCHES
                                                                                          INTERIOR WOODWORK
  Stucco-foundation walls, Artstone stucco,
                                               Flagstone.
                                                                                             Floors-selected red oak.
     Artstone Stucco Co.
                                                                                             Shelving and cabinets white pine.
                                             GLASS
ROOF
                                                Vita-glass, Libbey-Owens-Ford Glass Co.
   Wood shingles on shingle lath-red cedar
                                                                                             Stock millwork-white pine, Curtis Com-
     Weyerhaeuser.
                                             EXTERIOR PAINT
                                                                                               panies, Inc.
   Valleys
                                               Shingles-2 coats creosote, Samuel Cabot
                                                                                          INSULATING
                copper, American Brass Co.
                                                  Inc.
                                                                                            Outside walls 4" rock wool, U. S. In-
   Down spouts
                                               Trim)
                                                                                             Attic floor
                                                                                                             sulation Co.
                                                      Atlantic white lead and linseed oil.
  Gutters-fir.
                                               Sash
                                                                                             Weatherstripping-zinc.
```

# LUCIUS S. BEARDSLEY, ARCHITECT



PLAN: Next the kitchen is the laundry, equipped with requisite appliances, and through the laundry is the service entrance; also the inside door to garage. There is no breakfast room nor dining alcove and the space is much better bestowed on a convenient laundry. In a small house, a dining alcove or breakfast room is usually an extravagance in space. There is a coat closet by the front door and, while there is no lavatory to accompany it, the bathroom, entered from the hall, is near enough to serve.



### INTERIOR FINISHES

Floors-stain, shellac, and wax.

Trim Doors 3 coats Atlantic white lead and linseed oil.

Wallpaper-washable, Wolf Bros. Wall Paper Co., New York.

### WIRING

Cable-BX flexible.

Electrical fixtures-Lightolier Co.

### LIGHTING

Direct.

Kitchen

Sink-flat rim enameled sink in counter, Standard Sanitary Mfg. Co. Cabinet-stock mill.

### BATHROOM

Cabinets-Columbia Metal Box Co.

Bath tubs Toilets Standard Sanitary Seats Mfg. Co. Shower curtains Tile-Mosaic Tile Co.

Brass, Anaconda, American Brass Co. .

### HEATING

Oil furnace, Bettendorf. Boilers-Fitzgibbons "De Luxe" with tank-saver coils.

Radiators-National Radiator Co.

### Piping-black steel.

Valves-Hoffman Specialty Co., Inc.

Thermostat and regulators-Minneapolis-Honeywell Regulator Co.

### CHIMNEY

Fireplaces

Facings-Howard brick. Hearths-slate flagging. Damper-H. W. Covert Co.

### HARDWARE

Interior and exterior-Norwalk Lock Co.

Fenestra screens, Detroit Steel Products Co.

# 62. HOUSE FOR DR. FREDERICK DORIAN CASEY,



Gustav Anderson

One of the requirements for this house for a family of three was that it should be modern and yet conform in design to conservative neighborhood standards. In fact, the client expressed a strong leaning toward Colonial precedents. The exterior is of shingles and brick, painted white, and its general mien is engaging, though it seems a little whimsical that brick should have been used only to veneer the lower story of the front. The straight, flat shelter over the front door—it can scarcely be called a hood—is a welcome substitute for a portico, which would have destroyed the elevation. Blue shutters give character and incisive definition to the front. An unusual feature in this house is the use of linoleum to cover not only the floors of kitchen, lavatory, and bathrooms, but their entire wall surface as well. Cost, including architect's fee, \$9,800.

### CONSTRUCTION OUTLINE

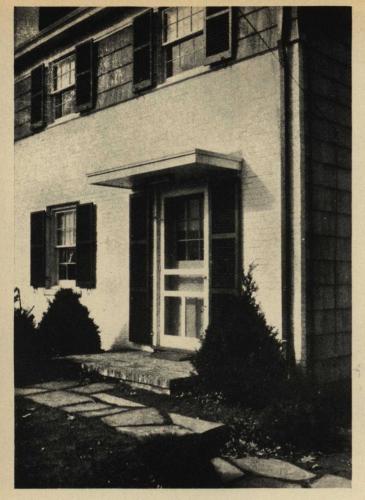
FOUNDATION Walls-cinder block. Columns-lally. Cellar floor-4" concrete. Waterproofing-Anti-Hydro Waterproofing Co. FRAME CONSTRUCTION Fir. EXTERIOR SURFACE Brick veneer-common brick, Sayre & Fisher Co. Shingles-"Ambassador" Creo-Dipt, 10" to weather. ROOF Wood shingles on shingle lath-18" Perfection. DOOR AND WINDOW FRAMES Sash and frames

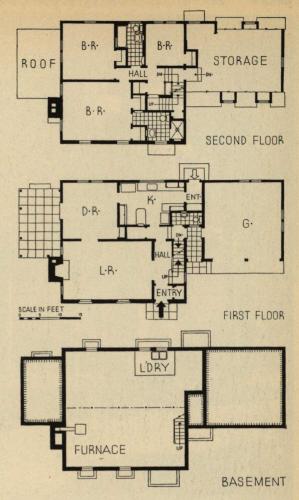
Casement-special, made in mill. Steel sash-in kitchen and basement. "Fenestra," Detroit Steel Products Co. Doors and frames (exterior)-white pine by Morgan. Garage doors-Overhead Door Corp. PORCHES 4" reenforced concrete. GLASS Double strength, quality B, Pennvernon, Pittsburgh Plate Glass Co. EXTERIOR PAINT Brick veneer 3 coats oil, Sherwin-Trim Williams. Sash LATH AND PLASTERING

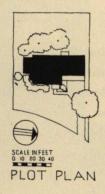
Lathing

Metal-U. S. Gypsum in garage. Composition plaster base-U. S. Gypsum Rocklath. Plastering Patent plaster-Red Top prepared. Finishing coat-Red Top trowel. INTERIOR WOODWORK Trim-No. 1 clear white pine. Floors-21/4" clear plain white oak random width. Paneling-mantel and one wall in living room knotted pine. INSULATING Weatherstripping-Chamberlin. INTERIOR FINISHES Floors-filler, sealer, 2 coats of wax, Sherwin-Williams.

# WESTFIELD, N. J. WILLIAM WILDE, ARCHITECT







PLAN: The compact plan which gives a generous living room, a communicating dining room, and a well-appointed kitchen with convenient access to the front door does not waste space on a pantry, but it does include the convenience of an inside entrance from the garage with a lavatory beside it. The house is so planned that at any time an additional bedroom and bath can be arranged over the garage.

Trim Doors 2 coats flat, 1 coat enamel. Sash Walls-in halls, primer and sealer and 1 coat flat oil paint. Wallpaper-balance of house, Imperial, Thibaut. WIRING Cable-BX. Electrical fixtures — Amon Lighting Studios, North Bergen, N. J. Switches-Hart & Hegeman. LIGHTING Direct. PLUMBING Kitchen Sink-Standard Sanitary, flat rim (set

in counter).

Washing machine.
Walls and floors—linoleum, Armstrong
Cork Products Co.

BATHROOM
Fixtures—Standard Sanitary Mfg. Co.
Cabinets—Columbia Metal Box Co., New
York.
Bath tubs Standard Sanitary Mfg. Co.
Toilets Seats—Church Mfg. Co.
Showers—Standard Sanitary Mfg. Co.
Walls and floor—linoleum by Armstrong
Cork Products Co.

PIPES
Galvanized iron.

Cabinet-Murphy Door Bed Co.

Refrigerator-Frigidaire.

Stove-gas.

HEATING
Boiler—oil-fired.
Radiators.
Hot water heater—gas.

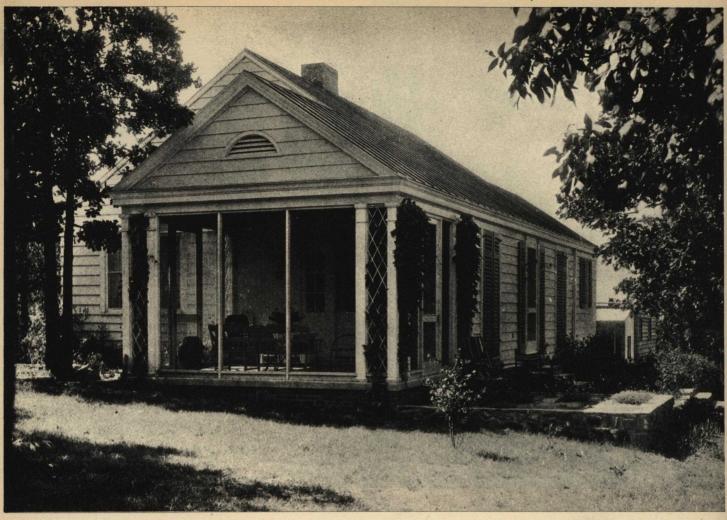
AIR CONDITIONING
Central—Evans with Petro oil burner.

CHIMNEY
Fireplaces
Facings brick.
Hearths
Mantels—knotted pine.
Damper—Donley.

HARDWARE
Interior—Sargent.

Copper mesh.

## 63. HOUSE FOR GEORGE M. ARMISTEAD, LITTLE ROCK



A small one-story house, simply designed to meet the modest living requirements of a family, direct in its exterior expression. It may be a far cry from a temple-fronted exterior in Arkansas to a Gothic manor hall in the English Midlands, but the principle of plan is almost identical. The exterior is well-mannered and inviting in an unobstrusive way; the interior discloses more interest. In the living room, one end of which is used for dining purposes, the walls are vertically boarded and the hardware is of old New England provenance. The kitchen is completely equipped with all the most modern electric appointments against a color background of red, white and black. The house is fully insulated, Cost \$6,000. Cubage: 26,000 at 23 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION Walls and piers-brick, Malvern. Cellar floor-none. Waterproofing-none. FRAME CONSTRUCTION Wood sills and plate, Bruce treated. EXTERIOR SURFACE Clapboards-10" pine, Monarch. ROOF Valleys Gutters galvanized iron, Armco. Flashing Down spouts Salt glazed tile drains-Dickey. Composition sheathing paper-15 lb. felt. DOOR AND WINDOW FRAMES
Sash and frames—double hung yellow pine, Monarch.
Doors and frames (exterior)—cypress, Monarch.
Garage doors—rough pine, Monarch.

PORCHES
Reenforced concrete—Portland cement, Acme.

GLASS
Pennvernon, Pittsburgh Plate Glass Co.

EXTERIOR PAINT

Siding

Priming | outside white, Benjamin

Finish coat | Moore.

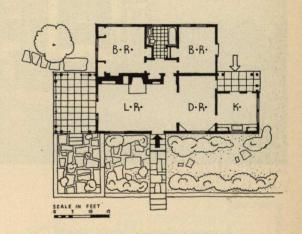
Trim part stain, part exterior gloss. Benjamin Moore. Priming-flat coat. Finish coat-exterior gloss. LATH AND PLASTERING Lathing-flat rib metal lath 3 lb., Truscon. Plastering Patent plaster Finishing coat Acme. INTERIOR WOODWORK Paneling-yellow pine, 4", 6" widths. Stock millwork-window and door frames, Monarch. INSULATING Outside walls-rock wool batt, Johns-Manville.

# ARKANSAS, BRUEGGMAN AND SWAIM, ARCHITECTS









PLAN: The modern adaptation of an ancient plan does not make the underlying principle any less vital or worthy of present-day use. It has the advantage of simplifying the mechanics of living, as this arrangement nicely demonstrates.

Roof rafters-Celotex.

Attic floor-rock wool batt, Johns-Manville.

### INTERIOR FINISHES

Floors-Pyra-Seale, Vestal Chemical Co. Trim

interior gloss, Benjamin Moore.

Walls-paper by Sherwin-Williams. Pine walls-oil stain.

### WIRING

Cable-Romex.

Electrical fixtures—Chase.

Switches-toggle, Bryant Electric Co.

LIGHTING

### PLUMBING

Kitchen

Sink-flat rim. Kohler. Cabinet-yellow pine, Monarch.

Stove-Papan gas.

Refrigerator-X-6, General Electric.

### BATHROOM

Cabinets-Hoegger.

Bath tubs-built-in, Kohler.

Toilets-one piece, Kohler.

Seats-Kohler.

Showers-Kohler.

Shower curtains-Hoegger.

Tile-41/2 x 41/2 semi-glazed, Sparta Ceramic Co., East Sparta, Ohio.

### PIPES

Steel-standard galvanized pipe.

Hot water heater-Automatic "Crest."

### CHIMNEY

Fireplaces

Facings | common brick, Malvern.

Mantels-Job built.

Damper-H. W. Covert Co.

### HARDWARE

Interior-special collected in New England, antique. Standard - Richards-Wilcox locks, Sargent, P. & F. Corbin & Co.

Exterior-P. & F. Corbin & Co

### SCREENS

Galvanized screen.

WINDOW DRESSING

Blinds-Job built.

### 64. HOUSE FOR DR. HENRY RUSHTON, LANSDOWNE, PENNA.



Here the first aim was to design at the outset the house eventually desired by the clients, but to build only that part of it which would be an irreducible living minimum for two people; second, to plan it so that the future enlargements could be made without disturbing anything already built or materially changing its use. The house as it stands represents the complete first stage of the program. The method employed here is one which might well be followed by many home-builders: to build one's house in sections, adding to it as finances permit, is not only an intelligent and economical procedure, but it also minimizes initial errors and omissions and makes possible their correction in future additions. Cost: \$5,250. Cubage: 21,000 at 25 cents per cubic foot.

### CONSTRUCTION OUTLINE

```
FOUNDATION
   Walls-stone.
  Columns-structural steel.
  Cellar floor-cement.
FRAME CONSTRUCTION
  Hemlock.
EXTERIOR SURFACE
  Brick veneer.
  Clapboards-cypress.
ROOF
  Wood shingles on shingle lath-red cedar.
   Valleys
   Gutters
                copper.
   Flashing
   Down spouts
  Composition sheathing paper—Sisalkraft.
```

```
DOOR AND WINDOW FRAMES
   Sash and frames.
     Double hung white pine.
  Doors and frames (exterior) | white
  Garage doors
                                 pine.
PORCHES
  Flagstone floor.
GLASS
  Single strength, quality A, Pennvernon,
     Pittsburgh Plate Glass Co.
EXTERIOR PAINT
   Brick-2 coats Bondex.
  Siding 3 coats du Pont's exterior
            white.
  Sash
```

```
LATH AND PLASTERING

Lathing—composition
plaster base
Plastering
Patent plaster
Finishing coat

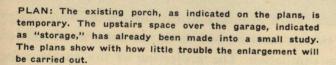
INTERIOR WOODWORK
Floors—oak.
Trim—poplar.
Shelving and cabinets—poplar.

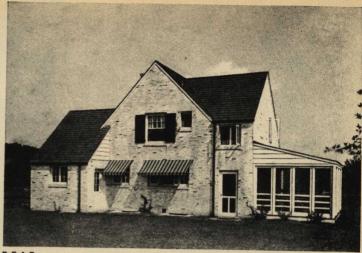
INSULATING
Roof rafters
Attic floor
Weatherstripping—zinc, interlocking.
```

# CALVIN BANWELL, OFFICE OF W. POPE BARNEY

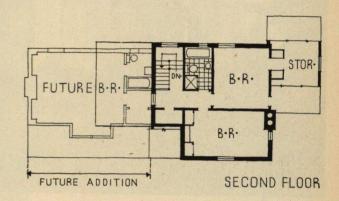


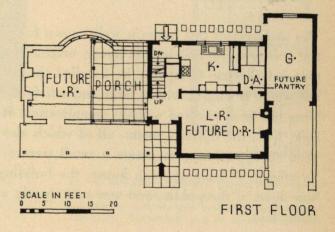
BUILT-IN WARDROBE, CLOSETS AT SIDES





REAR





INTERIOR FINISHES Trim 3 coats du Pont's Doors Dulux. Walls-kitchen and bathroom-oil paint. Wallpaper-walls of living and bedrooms and stairhall. WIRING Cable-BX. Electrical fixtures. Switches-General Electric. LIGHTING Direct. PLUMBING Kitchen. Sink-Standard Sanitary Mfg. Co.

Cabinet-wood. Stove Westinghouse Electric Refrigerator & Mfg. Co. BATHROOM **Fixtures** Bath tubs Toilets Standard Sanitary Seats Mfg. Co. Showers Shower curtains Tile-Olean Tile Co. and Franklin Tile Co. PIPES Copper tubing with Streamline fittings, Mueller Brass Co. HEATING AND AIR CONDITIONING Oil-fired Gar Wood unit.

Hot water heater-coal fired. Thermostat and regulators-Minneapolis-Honeywell Regulator Co. CHIMNEY Fireplaces. Facings-wood. Hearths-flagstone. Mantels-wood. Damper-Covert, old style. HARDWARE Interior and exterior-P. & F. Corbin. SCREENS Anaconda screen cloth. WINDOW DRESSING Shades-cambric, Columbia Mills, Inc. Blinds-wood.

### 65. "NEW AMERICAN" HOUSE, MARBLEHEAD, MASS.



The architect of this house is well known for his carefully studied adaptations of old New England residential architecture, and in this house, originally submitted in the small house competition recently held by General Electric Company, he handled the early forms with a certain amount of freedom. The design of the whole is simple, with a large and satisfying expanse of roof. The junction of main house with garage wing has been effected without complication. It is worth noting that the low eaves do not cut off needed light from the upstairs rooms, all of which also have cross ventilation. The projection of the garage wing gave an opportunity to create a small terrace whose form is sharply defined by the white picket fence. Erected as a demonstration house, the building was visited by thousands of people in the month that it was open to the public, and was sold shortly afterward. Cost: \$9,000. Cubage: 18,850 at  $47\frac{1}{2}$  cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION
Walls—poured concrete.
Cellar floor—concrete.
FRAME CONSTRUCTION
Fir.
Girders—steel.
MASONRY CONSTRUCTION
Chimney—brick.
EXTERIOR SURFACE
Clapboards.
ROOF
Slate on sheathing—Monson slate.
Valleys—copper.
Gutters—Toncan metal hung.

Down spouts-round Toncan metal.

Sash and frames all double hung wood

DOOR AND WINDOW FRAMES

Flashing-copper.

except wood casements in kitchen and dining alcove.

Doors and frames (exterior)—wood.

Garage doors—wood.

PORCHES
Reenforced concrete.
Brick floor.

GLASS Flat drawn window glass.

EXTERIOR PAINT
Siding, trim and sash—white paint.

LATH AND PLASTERING

Lathing—composition plaster base of reenforced Rocklath.

Plastering—U. S. Gypsum patent plaster.

Oriental finishing coat.

INTERIOR WOODWORK Trim-pine. Floors-plain oak. Painted surfaces-pine. Shelving and cabinets-pine. INSULATING Outside walls U. S. Gypsum wool. Roof rafters Attic floor Weather stripping-Empire Metal Co., Cambridge, Mass. INTERIOR FINISHES Floor-stained and waxed. Trim Boston Doors Sash Varnish Co.

Walls (kitchen and bath)

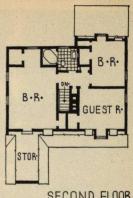
# ROYAL BARRY WILLS, ARCHITECT



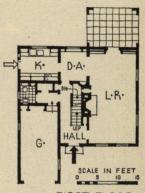
Arthur Haskell Photos



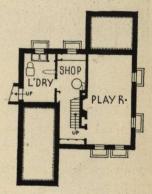
INTERIOR DECORATION BY: C M. FRANCIS MacDONALD



SECOND FLOOR



FIRST FLOOR



BASEMENT

PLAN: Circulation excellent. Dining room reduced to a small alcove, large enough for family meals. Location of lavatory and coat closet unusual, but admirable. Economical use of space throughout.

Wallpaper-principal rooms and hall by BATHROOM Richard Thibaut, N. Y.

Cable-G. E. wiring system. Electrical fixtures — Pettingal-Andrews

Switches-General Electric.

LIGHTING Direct.

PLUMBING Kitchen

> Sink-G. E. dishwasher and sink. Cabinet-Art Metal Co. Stove-G. E. range. Refrigerator-G. E. Washing machine—G. E. Floors-Armstrong linoleum.

Fixtures-Standard Sanitary Mfg. Co. Tile-Wheeling Tile Co.

Copper-American Tube Co. Wrought iron.

HEATING

Boiler-G. E. Oil furnace. Hot water heater-in furnace.

Thermostat and regulators-G. E. Thermal Control, G. E. Humidistat time clock, day and night double thermostatic setting.

AIR CONDITIONING Central-G. E. system.

CHIMNEY Fireplaces. Facings-brick. Hearths-brick. Mantels-wood.

HARDWARE

Interior-Brass by Corbin. Exterior-black iron.

SCREENS

All windows and doors, wood frames, galvanized iron-Crown Shade & Screen Co.

WINDOW DRESSING Shades-Lansdale Holland Co.

SPECIAL EQUIPMENT

Radio, workshop, ironer, clock, health lamp, exhaust fan for kitchen, all by G. E.

## 66. HOUSE FOR BENJAMIN E. LORENTZ, OAKLAND



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Waters & Hainlin Photos

Houses like this one give California clear leadership in U. S. residential architecture. Thoroughly modern in spirit, the house shows influences of the native "ranch house" architecture, the International School, and New England Colonial, all combined with a singlemindedness of purpose that has resulted in a completely unified composition. The effectiveness of the repetition of a simple roof form, the use of wide vertical siding, the directness and delicacy of porch and window details are worthy of close study. Chimneys are well located and in character. The close proximity of house to highway suggests that a less open scheme on the entrance elevation might have been adopted; it will be noted on the plan, however, that all the rooms except one face away from the road. Cost: \$7,700. Cubage: 30,300 at  $25\frac{1}{2}$  cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls
Columns
Cellar floor

FRAME CONSTRUCTION
Oregon pine.
Sills—redwood.

EXTERIOR SURFACE
Vertical siding and California stucco.

ROOF
Wood shingles on sheathing—split cedar shakes.

Gutters
Down spouts

galvanized iron.

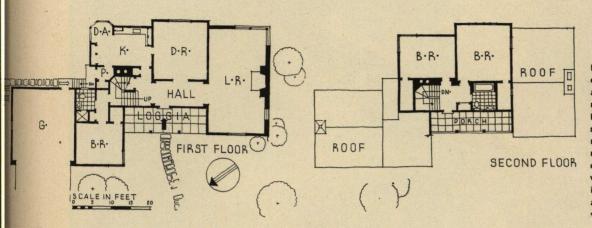
4" salt glazed tile drains.

DOOR AND WINDOW FRAMES
Sash and frames
Double hung.
Steel sash—Fenestra, Detroit Steel
Products Co.
Doors and frames (exterior)—pine.
Garage doors—redwood.

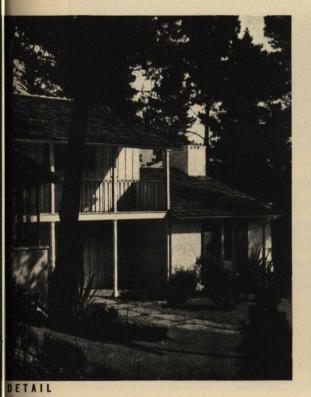
PORCHES Brick floor. EXTERIOR PAINT Priming-lead and oil ) Sherwin-Siding ) Finish coat—lead and Williams oil and zinc Sash LATH AND PLASTERING Lathing-wood. Plastering-patent plaster, Empire brand hardwall. INTERIOR WOODWORK Floors-oak. Trim-pine Shelving and cabinets pine, to detail. Millwork INSULATING None.

Flashing copper.

# CALIFORNIA. MILLER AND. WARNECKE, ARCHITECTS



PLAN: Simple, direct, economical. Note separation of extra bedroom from rest of house. Awkwardly shaped upstairs bedroom closets. Living room fenestration excellent, leaving ample wall space for furnishings. Unusual dining alcove, all glass for





LIVING ROOM

NTERIOR PAINTING Floors-stained and waxed. Trim Doors oil paint. Sash Walls Cable-G. E. wire, knob and tube wiring.

Switches-General Electric Co.

IGHTING Direct. LUMBING Kitchen Sink-Crane Co.

Cabinet-wood. Stove Refrigerator Washing machine BATHROOM Fixtures Cabinets Bath tubs Standard Sanitary Mfg. Toilets Seats Showers Shower curtains Steel-galvanized, copper bearing, U. S. Steel Corp.

HEATING Gas Hot water heater. Thermostat and regulators. CHIMNEY Fireplaces Hearths-brick. Mantels—brick and wood. Damper—Richardson. HARDWARE Interior and exterior-Russwin, Russell & Erwin Mfg. Co. SCREENS Roiscreen Co., Pella, Iowa. WINDOW DRESSING Venetian blinds-Ry-Lock Co., Ltd.

# 67. HOUSE FOR JOHN I. GEARHART, PITTSBURGH



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

A type of residence which is popular in the low and medium cost range, this house is characterized by simplicity of design, the attractive use of inexpensive materials, and by the almost complete lack of ornamentation. Obviously inspired in its form by the "salt-box" type of early New England, it nevertheless makes no attempt to be archæologically correct. The slight overhang on the garden elevation may be objectionable to the confirmed functionalist as a useless survival of a bygone style, but its existence is justified, if not demanded, by the change of material. Cost: \$9,175. Cubage: 28,724, at 32 cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-concrete 1:3:4 mix.

Columns-4" lally.

Cellar floor-4" concrete slab on 4" cinder

### FRAME CONSTRUCTION

Yellow pine No. 1

Composition sheathing paper nailed to diagonally placed yellow pine sheathing.

### MASONRY CONSTRUCTION

Concrete block, basement walls.

Areaways-9" brick.

Chimney-hard burned used brick.

### EXTERIOR SURFACE

Brick veneer-hard burned, laid in cement mortar.

Clapboards-redwood, service wing and dormers, 9" and 6" to weather.

### ROOF

Slate on sheathing-laid over 30 lb. roofing felt nailed with copper nails.

Valleys-open, copper.

Gutters

Flashing 16 oz. copper.

Down spouts

### DOOR AND WINDOW FRAMES

Sash and frames

Double hung-by N.S.W. Co., Detroit, Mich.

Steel sash-utility, basement.

Shutters-11/8" stock.

Doors and frames (exterior)-white pine.

5" reenforced concrete slab on cinder fill. Fieldstone laid in cement, random Joints.

#### GLASS Double thick, quality A.

Cathedral hammered in bathrooms.

### EXTERIOR PAINT

Brick veneer Prime coat and 2 coats Siding Cabot's Old Virginia Trim white.

Sash

### LATH AND PLASTERING

Lathing

Wood-hemlock, exterior angles corner beads.

Wire-interior angles.

### **Plastering**

Patent plaster-hard.

Finishing coat-sand. Wainscot-Keene's cement, maid's bath.

### INTERIOR WOODWORK

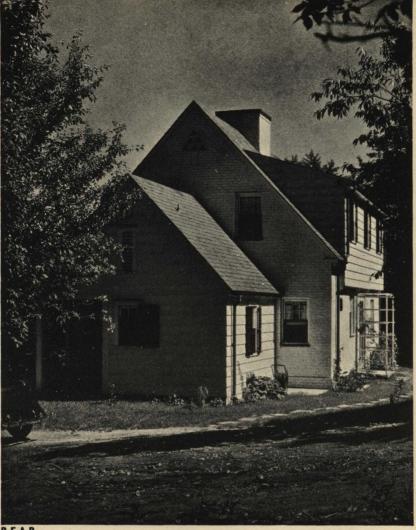
Trim-white and yellow pine.

Paneling-living room, wormy chestnut, stair hall, yellow pine.

Stair treads-oak.

Shelving and cabinets-white pine.

## PENNSYLVANIA, ELMER B. MILLIGAN, DESIGNER

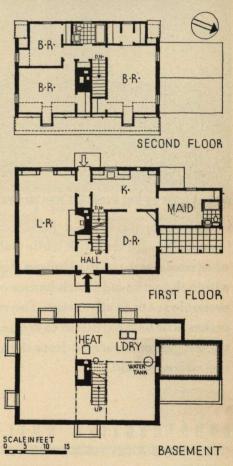


REAR

PLAN: A typical small house plan, with chimney in the center, a minimum-size vestibule, and customary arrangement of living room, dining room, and kitchen; the maid's room is a variation which in this case works well. Relation of kitchen to living room and dining room is excellent. Too often the circulation between kitchen and living room is neglected in the small house plan. No space has been wasted by the inclusion of a breakfast nook.



DINING ROOM



### FLOORING

Red oak, random width, 7/8" thick, living room, dining room and hall. Linoleum laid on felt and yellow pine, kitchen, maid's bath, and rear hall.

Oak select No. 1, balance of house.

### INSULATING

Outside walls

Roof rafters 4" bats, Johns-Manville.

Attic floor

Weatherstripping-windows, N.S.W. Co., Detroit, Mich.

### INTERIOR PAINTING

Floors-3 coats Minwax.

Paneling-3 coats dull wax.

Trim 1 coat white shellac, 2 coats flat Doors white, 2 coats flat egg-shell Sash enamel. Walls

### WIRING

Cable-BX 3 wire.

Electrical fixtures-not included in cost.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink

Stove

Refrigerator

Washing machine

### BATHROOM

Fixtures-white china, Standard Sanitary Mfg. Co.

Bath tubs-neo-classic recess.

Toilets - Standard Sanitary, vitreous

china "Compact." Seats-Church & Co.

Floor-ceramic tile, 6" tile base.

Wainscot-No. 1 glazed tile.

Supply-Streamline copper tubing by Mueller Brass Co.

Under floor-brass.

Sewer-cast iron.

Vents-galvanized iron.

### HEATING

Boilers-Bee-Line by Columbia Gas Co. Radiators-United States Tin Cast, hot water type, damper control.

Piping-wrought iron.

Hot water heater.

### CHIMNEY

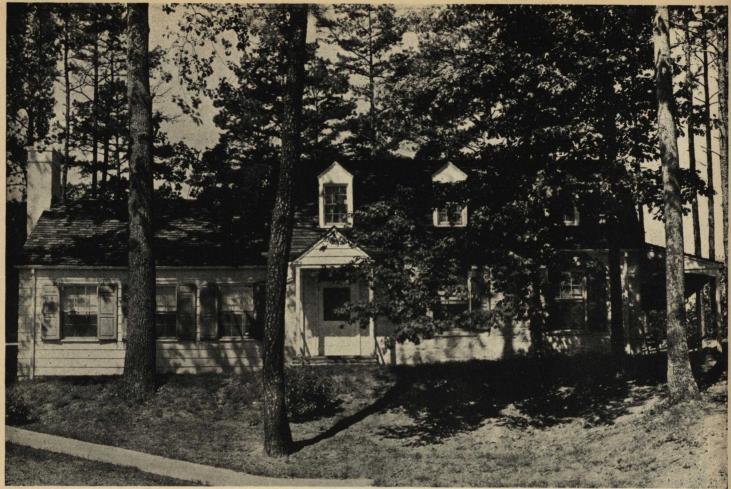
Fireplaces

Hearths-Beaver County sand stone.

Facing chestnut.

Damper-H. W. Covert, No. 648 face control.

# 68. HOUSE OF CLEMENT J. FORD, ATLANTA, GEORGIA



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

ROOF

William Dunn Photos

Gambrel-roofed and with white walls of rubble masonry and shingles, the house of an architect-owner is somewhat reminiscent of the Hudson Valley. The promise of its comfortable-looking and assured exterior is realized within. Like the old Dutch houses of the Valley it has bedrooms on the ground floor and is designed to use all available space to advantage. The cutting up of what might have been the full extent of the dining room by the presence of half-partitions to create a breakfast nook without opening into the kitchen seems questionable. Having the garage separated from the small house is not always objectionable. Cost of house, including garage and drive, \$7,650.

### CONSTRUCTION OUTLINE

FOUNDATION Walls and piers-partly stone, partly brick. Columns-galvanized iron pipe. Cellar floor-4" concrete. Waterproofing-General Fireproofing Co. FRAME CONSTRUCTION Sills Floor Joists long leaf yellow pine. Girders Studding Plate short leaf framing Rafters Bridging-1"x3" rough. Ties-knotch and halved. MASONRY CONSTRUCTION Common brick walls-8" curtain wall, 12"x12" piers. Stone walls-16" natural stone. EXTERIOR SURFACE Shingles-Royal cedar.

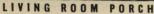
Tile on sheathing-B. Mifflin Hood's tile. Valleys lead covered copper. Flashing Gutters 26 gauge galvanized iron. Down spouts Salt-glazed tile drains-4" and 6". Composition sheathing paper-30 lb. felt under tile. DOOR AND WINDOW FRAMES Sash and frames-B and better yellow pine. Double hung-stock sizes. Casement-134" wood casements and frames. Steel sash-basement. Doors and frames (exterior)-yellow pine frame, white pine doors. PORCHES 4" reenforced concrete slab and 4"x8" brick tile.

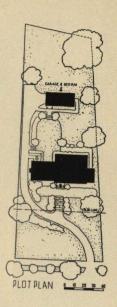
Double strength, grade B, Pittsburgh Plate Glass Co. EXTERIOR PAINT Shingles-Cabot's primer dipped painted 2 coats. Stone walls-Pratt & Lambert cement coating. Trim 3 coats Dutch Boy lead, oil and Sash zinc, National Lead Co. LATH AND PLASTERING Lathing-"Ecod" metal lath, Reynolds Metals Co., Inc. Plastering Patent plaster-Gold Bond. Finishing coat-eggshell, hard finish. INTERIOR WOODWORK Trim and floors B and better Painted surfaces yellow pine.

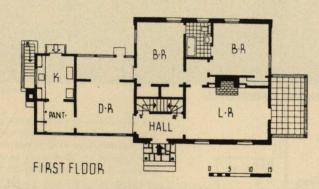
Shelving and cabinets

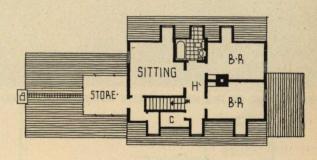
## CLEMENT J. FORD, ARCHITECT











SECOND FLOOR

PLAN: Though the pantry has gone much out of favor in the small house, many feel that kitchen dressers alone afford insufficient storage room for china and glass, and prefer to have some intermediate place where the serving of meals may be managed. That the ground floor bathroom is accessible only through the adjoining bedrooms is open to criticism.

### INSULATING

Roof rafters "Ecod" lath with aluminum foil.

Weatherstripping—exterior doors, Chamberlin's 5" bronze threshold and interlocking strips.

### INTERIOR FINISHES

Floors-filled, 3 coats shellac and waxed.

Trim

Doors painted, Pratt & Lambert in-

Sash terior paint.

Wallpaper-dining room and 2 bedrooms.

### WIRING

Cable—No. 14 BX, Frank Adams panel board-fuse type.
Switches—Bryant.

### LIGHTING

Direct-except dining room.

### PLUMBING

Kitchen

Sink—enameled iron, Crane Co. Cabinet—mill detail.

Stove—Hot Point, General Electric Co. Refrigerator—General Electric 6 cu. ft.

### BATHROOM

Bath tubs

Toilets Crane Co.

Showers

Shower curtains—white duck.

Tile-4'-6" high wainscot, ceramic, standard grade, Wheeling Tile Co.

### PIPE

Copper, type M, Streamline Pipe & Fittings Co., Division of Mueller Brass Co.

### HEATING

Coal

Ducts-galvanized iron.

Hot water heater—electric. Thermostat and regulators.

### AIR CONDITIONING

Central—blower and filter type, no refrigeration, no washer.

### CHIMNEY

Fireplaces

Facings | Crab Orchard stone.

Mantels—wood to detail.

### HARDWARE

Interior and exterior—Corbin.

### SCREENS

Metal frames, copper cloth, Watson Mfg. Co., Jamestown, N. Y.

### WINDOW DRESSING

Shades-clott

Venetian blinds—in dining alcove. Blinds—wood.

#### HOUSE FOR R. L. TAYLOR, COLUMBUS, OHIO 69.



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Herrick Thompson Photo

The interior of this house has arrangements and provisions not commonly met with in a house of limited size. Besides the usual living room, dining room and kitchen on the ground floor, there is an extension of the kitchen fitted up as a breakfast room. And adjacent a convenient ground floor lavatory. Upstairs is a fair-sized study with open fireplace in the upper part of the garage extension. Commendable is the omission of the usual over-door window common in this type of plan. The back to back closets of the front bedrooms dictated a solid wall. The equipment of the house is thoroughly modern and efficient in all respects. Cost: \$8,400. Cubage: 32,530, at about 25½ cents per cubic foot.

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls-cement block. FRAME CONSTRUCTION Kiln dried yellow pine.

EXTERIOR SURFACE

Seattle Clapboards-clear red cedar, Cedar Lumber Mfg. Co.

ROOF

Wood shingles on shingle lath-American Stained Shingle Co.

Valleys Flashing | copper, Anaconda. Gutters

Down spouts 26 gauge Toncan iron.

DOOR AND WINDOW FRAMES

Sash and frames-double hung, Idaho white pine.

Doors and frames (exterior)-Idaho white pine.

Garage doors-redwood.

PORCHES

Reenforced concrete-Portland cement, Wabash.

GLASS

Libbey-Owens-Ford Glass Co.

EXTERIOR PAINT

Shingles-brush stained, American

Stained Shingle Co.

Siding Sherwin-Williams Co. Trim

LATH AND PLASTERING

Lathing-composition plaster base, "Blue

Band," American Gypsum Co.

**Plastering** 

Sash

Patent plaster | American Gypsum Co.

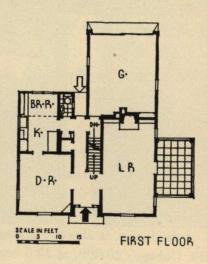
INTERIOR WOODWORK

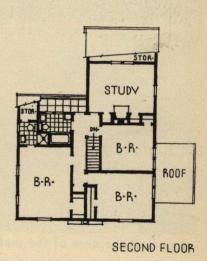
Floors-Ritter oak.

# ROBERT R. ROYCE, ARCHITECT



PLAN: Lighting and cross ventilation are fully considered in all the rooms on the ground floor, but it is to be regretted that the window at the side of the kitchen was not placed directly over the sink, instead of at one side. Upstairs, the bedroom between the front bedroom and the study has only one window, so that there can be no cross ventilation unless the door is left open. The two bathrooms are economically placed together above the kitchen, and one of them has the advantage of a shower.





Trim and stainwoods—Wisconsin birch. Painted surfaces—Ponderosa pine.

INSULATING

Roof rafters (Rep Top" wool, U. S. Attic floor Gypsum Co.

INTERIOR PAINTING

Floors

Trim
Doors Sherwin-Williams.

Sash

Walls

WIRING

Cable-Triangle.

Switches-Hart & Hegeman and "Square

Deal."

LIGHTING

Direct and indirect-Carl B. Frey, Inc.

PLUMBING

Kitchen

Sink-Kohler.

Cabinet—stained pine.

BATHROOM

Fixtures—Kohler.

Cabinets-Miami.

Tile-American Encaustic Tile Co.

PIPES

Copper—Chase Brass and Copper Co.

HEATING

Coal.

Hot water heater.

CHIMNEY

Fireplaces

Facings Hearths brick.

Mantels

Damper—Peerless.

HARDWARE

Interior and exterior—Sargent & Co.

WINDOW DRESSING

Venetian blinds.

# 70. HOUSE FOR HARRY W. PORTER, SPARTA, NEW JERSEY



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Of North Jersey Dutch ancestry, and showing markedly Dutch character only slightly modified by current conditions, this cottage, both in design and plan, radiates a spirit of sturdy Dutch common sense and comfort. The quadrangular central mass of the house has rubble masonry walls of local stone; the one-story bedroom and kitchen wings are shingled. There is no consciously applied external ornament but the composition derives a strong picturesque quality from its homespun simplicity. Inside, the walls are vertically boarded with pine, and the ceilings show the open framing of beams and joists. Floors are of oak and the fireplace is built up of local stone roughly dressed. Two good bedrooms and a bath accommodate the regular occupants, and several guests can sleep in the attic dormitory. A generous living room, taking more than half the area of the main block of the house, is also the dining room. The garage is located beneath the big living room veranda. Cost: \$6,500. Cubage: 20,000, at 32.5 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION
Walls—local stone and Vulcanite Portland Cement.
Columns—4" lally.
Cellar floor—Vulcanite Portland cement.
Waterproofing—Aqua-Pruf.

FRAME CONSTRUCTION
"4-square" Douglas red fir, Weyerhaeuser.

MASONRY CONSTRUCTION
Common brick walls—used brick.
Stone walls—local rubble and face stone.

Shingles-18" Perfection, Seattle Cedar

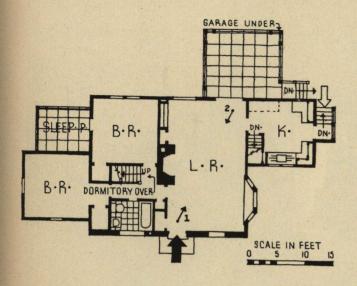
Wood shingles on shingle lath-18" Perfection, Seattle Cedar Lumber Co. Valleys Gutters 16 oz. Anaconda copper, American Brass Co. Down spouts Composition sheathing paper-Flintkote. DOOR AND WINDOW FRAMES Sash and frames Double hung-"Master," Andersen Frame Corp., Bayport, Minn. Steel sash-Fenestra, Detroit Steel Products Co. Doors and frames (exterior)-Andersen

Frame Corp.

EXTERIOR SURFACE

Lumber Co.

# EDWIN R. CLOSS, ARCHITECT



PLAN: Bedrooms have abundant light and cross ventilation; the living room is flooded with light from three sides. Living room and bedrooms alike have plenty of closet space. The bathroom is entered only from the hall, and it is worth noting that the whole sleeping side of the house can be completely shut off by closing the door from the living room into the bedroom-hall, from which the dormitory stairs ascend.





WO VIEWS OF LIVING ROOM

NSULATING

None.

TERIOR PAINTING

Floors-varnish, Devoe & Raynolds.

Trim Doors varnish.

Walls-stain and varnish.

IRING

Cable-"Romex," Rome Wire & Cable Co. Electrical fixtures-handwrought, Robert Kraeuter.

Switches-Hart & Hegeman.

IGHTING Direct.

LUMBING Kitchen

Sinkabnet, Standard Sani-Cabinet tary Mfg. Co. Stove-Westinghouse electric.

Refrigerator-Frigidaire Division of General Motors Corp.

BATHROOM

Cabinets-No. 1501, United.

Bath tubs—"Pembroke" Sanitary Toilets—"Modernus" Mfg. Co.

Seats-"Climax," Church Mfg. Co. Showers-Standard Sanitary Mfg. Co.

Supply-brass and copper, Streamline Pipe & Fittings Co., Division of Mueller Brass Co.

Soil and vent-wrought iron, A. M. Byers Co.

HEATING AND AIR CONDITIONING

Oil-"Superfex," Perfection Stove Co. Hot water heater-coal, Eastern Foundry.

Thermostat and regulators-Detroit Lubricator Co.

CHIMNEY

Fireplaces

Facings—cut local stone.

Hearths-broken flagstone, Vulcanite cement.

Damper-Peerless.

HARDWARE

Interior and exterior-Stanley Works and P. & F. Corbin Hardware Co.

## 71. HOUSE FOR WILLIAM P. VARIAN, DARIEN, CONN.



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

This tidy little shingled house was the first in the vicinity of Darien to be built through a Federal Housing Administration insured mortgage. Designed in the Colonial spirit, its construction is of the best. It is thoroughly insulated, has brass piping throughout and is heated by an oil burning furnace. About the exterior there is little to be said beyond commending its just proportions and the pleasant use of materials. The entrance is too ambitious for the house. Cost: \$7,300. Cubage: 22,428, at  $32\frac{1}{2}$  cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls—concrete.

Cellar floor—concrete, Atlas.

Waterproofing—Anti-Hydro.

FRAME CONSTRUCTION

Douglas fir. Weyerhaeuser.

EXTERIOR SURFACE

Shingles—24" Royal.

ROOF

Wood shingles on shingle lath—18" Perfection.

Gutters
Flashing
Down spouts
Copper—dormer roof.

DOOR AND WINDOW FRAMES
Sash and frames.
Double hung—wood.
Casement—steel.
Doors and frames (exterior)—Curtis
stock.
Garage doors—Curtis stock.

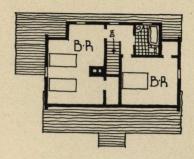
PORCHES
Reenforced concrete.

GLASS
American Window Glass Co.

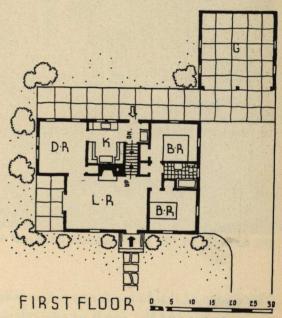
EXTERIOR PAINT
Shingles—brush stained.
Siding.
Trim.
Trim.
Sash.
Priming and
Finish coat.
Williams.

# WALTER BRADNEE KIRBY, ARCHITECT





SECOND FLOOR



PLAN: It is hard to conceive how a more satisfactory plan could have been packed into so small a space and yet be so well integrated. That one must go through the dining room and living room to get from the kitchen to the front door can be no objection in this case because the front door opens directly into the living room. The kitchen is well ordered and the upstairs arrangement is good.

LATH AND PLASTERING
Lathing—metal by Truscon.
Plastering—Best Bros.

INTERIOR WOODWORK
Shelving and cabinets Curtis and
Stock millwork Morgan.

INSULATING
Roof rafters—rock wool, U. S. Gypsum
Co.

WIRING
Cable—BX.
Switches—Bryant.

PLUMBING
Kitchen.
Sink—Standard Sanitary Mfg. Co.

BATHROOM
Fixtures—Standard Sanitary Mfg. Co.
Seats—Church Mfg. Co.

HEATING
Oil—Petro.
Boiler
Radiators
American Radiator Co.

CHIMNEY
Fireplaces.
Mantels—stone.

HARDWARE
Interior—Yale & Towne Mfg. Co.

# 72. HOUSE FOR T. PAGE ROGERS, HOUSTON, TEXAS



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Bailey Photos

The design of this house is one not usually associated with Texas and, despite its merits, appears exotic to the environment and the result of some personal preference demanding a cherished form transplanted from the North. The fact that it would seem more at home anywhere north of Charleston need not, however, blind us to its pleasant qualities. The general tenor of arrangement, with respect to both elevations and plan, suggests a residence in some leisurely country-town of the Middle States or New England where the quietude it displays would be peculiarly in keeping. Its well-mannered reflection of a mode that has long since proved its enduring worth and homelike charm creates a measurable degree of popular appreciation. It is more than merely correct of mien; save for the earlier doorway, it actively and insistently recalls the spirit of a certain very vital and estimable phase of our architectural past. Cost: \$8,800.

### CONSTRUCTION OUTLINE

FOUNDATION Footings-reenforced concrete. FRAME CONSTRUCTION Yellow pine. Sills-creosoted heart pine. EXTERIOR SURFACE Brick veneer-second-hand common. Wood shingles on shingle lath-Perfection No. 1 red cedar. Gutters 26 gauge Armco galvan-Flashing ized iron. Down spouts DOOR AND WINDOW FRAMES Sash and frames Double hung-white pine.

Doors and frames (exterior)—white pine.
Garage doors—yellow pine, sliding, Richards-Wilcox track No. 31.
PORCHES

4" reenforced concrete slab covered with

4" reenforced concrete slab covered with random slabs.

GLASS

Pennvernon single strength, Pittsburgh Plate Glass Co.

EXTERIOR PAINT

Shingles—brush stained with graphite and oil.

Sash

Priming—Benjamin Moore Primer.
Finish coat—Benjamin Moore exterior
paint.

LATH AND PLASTERING

Lathing—metal, 3 lb. copper bearing Gold Bond.

Plastering—3 coats, bathrooms, Keene's cement.

INTERIOR WOODWORK

Floors-hardwood.

Trim

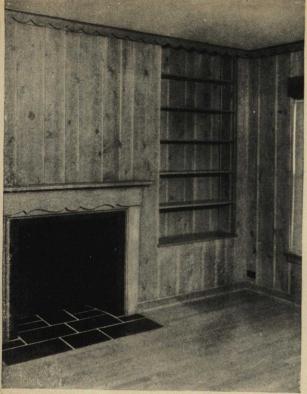
Shelving and cabinets white pine.
Stock millwork

INSULATING

Outside walls-15 lb. felt.

Weatherstripping—"Ceco" throughout by Concrete Engineering Co., Omaha, Neb.

# MOORE AND LLOYD, ARCHITECTS



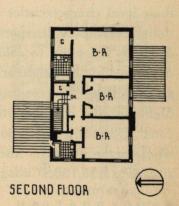
LIBRARY BEFORE FURNISHING

### LIVING ROOM BEFORE FURNISHING



PLAN: The plan almost exactly revives the plan of scores of city or country town houses of the early 19th Century. That plan was comfortable and efficient in practice, despite the fact that it was a long way from the kitchen to the front door. Barring the omission of the kitchen chimney-thanks to the advent of gas and electric cooking appliances-and barring provision for a breakfast room at the back of the hall (a concession to the popular acclaim for that feature), the plan makes many of us who have lived in old houses feel strangely at home.





### INTERIOR FINISHES

Floors-1 coat paste filler, 1 coat stain, 2 coats white shellac, 1 coat Pratt and Lambert wax.

Trim
Doors
Sash
1 coat lead and oil, 2 coats
Ripolin enamel.

Walls-baths, 1 coat size, 2 coats Ripolin enamel.

Wallpaper-over canvas and shiplap. Canvas not less than 1 lb. to 6.75 yards.

### WIRING

Electrical fixtures—Chase Brass and Copper Co.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-dual sink, Crane Co.

### BATHROOM

Fixtures-Crane Co. Seats-Church Mfg. Co.

Shower-Crane Co.

Shower curtains-Crane corded white. Tile-ceramic clay tile with cap and base.

### PIPES

Brass.

### HEATING.

Hot air with gas-fired Moncrief by Henry

Furnace & Foundry Co., Cleveland,

Hot water heater-"Superior," 36 gallon, Crane Co.

Thermostat and regulators—with furnace.

### CHIMNEY

Fireplaces

Facings Hearths slate

Mantels-white pine. Damper-Peerless Mfg. Corp.

### HARDWARE

Interior and exterior-Russwin, Russell & Erwin Mfg. Co.

### SCREENS

Copper.

### HOUSE FOR WILLIAM S. DUTTON, GORDON HEIGHTS 73.



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Houses built in the vernacular have a peculiar fascination because of the use made of native materials and their local characteristics of design. The house, though of recent construction, bears the earmarks of traditional derivations inseparably associated with the vicinity in which it stands. The site is most irregular and demands ingenuity to achieve successful handling. With materials, forms and textures familiar to the everyday usage of the neighborhood, the architect has accommodated his design to the exigencies of the ground and produced an arresting result. On the lower level are the dining room, kitchen and garage. One half flight up, and reached either from outdoors, or by steps from the corner of the dining room, is the living room. Up half a flight more, by a stair beside the living room fireplace, are two bedrooms and a bath. The whole arrangement is unconventional and could be found only as a solution to some such highly individual site. Cost: \$6,180. Cubage: 17,700 at about  $34\frac{1}{2}$  cents.

### CONSTRUCTION OUTLINE

FOUNDATION Walls-stone. Cellar floor-cement. FRAME CONSTRUCTION Fir. Bridging | hemlock. Ties Girders-I-beams. MASONRY CONSTRUCTION Stone walls-Brandywine granite with wide plaster Joints. EXTERIOR SURFACE Clapboards-34" x 10" beveled siding of

No. 1 cypress.

Wood shingles on shingle lath-sawed cypress.

Valleys Gutters tin. Flashing Down spouts—Toncan metal. Salt glazed tile drains-French. Composition sheathing paper-under clapboard.

DOOR AND WINDOW FRAMES Double hung and casement type-wood. Doors and frames (exterior) \ wood. Garage doors

TERRACE Avondale flagstone.

Double thick No. 1 American.

EXTERIOR PAINT Shingles-natural. Siding 3 coat work, Masury's. Trim Sash LATH AND PLASTERING Lathing Metal-cellar. Wood-1st and 2nd floor. Plastering Patent plaster-Gypsum. Finishing coat-white coat and texture sand finish. INTERIOR WOODWORK Floors-red oak. Stainwoods-fir. Painted surfaces Shelving and cabinets N. C. pine. Stock millwork

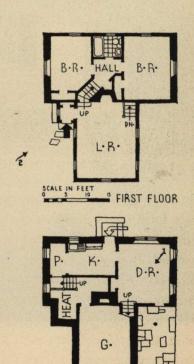
# DELAWARE, ROSCOE COOK TINDALL, ARCHITECT



DINING ROOM TOWARD LIVING ROOM



SIDE AND REAR ELEVATION



GROUND FLOOR

### INSULATING

Outside walls—none.
Roof rafters—Celotex.

### INTERIOR PAINTING

Floors—stain and wax.

Trim
Doors
4 coats paint and enamel.
Sash
Walls—partially paint.
Wallpaper—partially.

### WIRING

Cable—BX flexible cable. Electrical fixtures—Colonial. Switches—tumbler type.

#### LIGHTING Direct.

### PLUMBING

Kitchen Sink. Cabinet.

Refrigerator.

### BATHROOM

Fixtures—complete.
Floor—ceramic tile.

### PIPES

Wrought iron.

### HEATING

Pacific oil burner.
Boiler—Crane Jacketed.
Radiators—Crane.
Piping—Byers' wrought iron.

Valves—Ohio Brass Co. Hot water heater. Thermostat and regulators.

### CHIMNEY

Fireplaces.

Facings—stone.
Hearths—brick.
Mantels—white pine.
Damper—Donley.

### HARDWARE

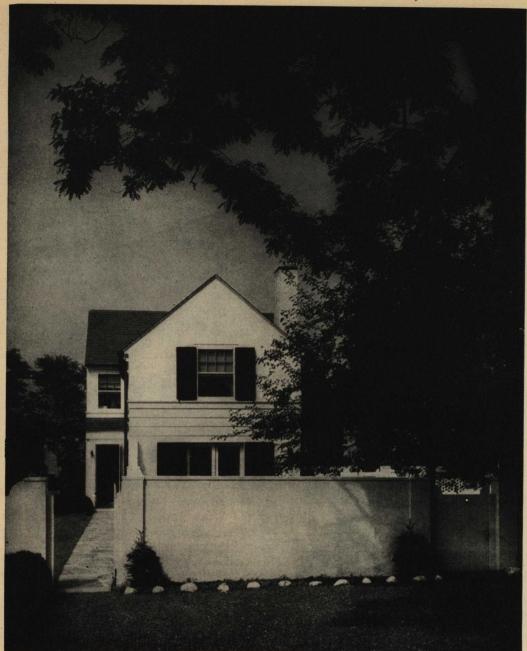
Interior—brass.
Exterior—wrought iron and brass.

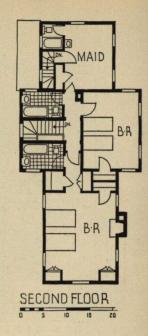
### SCREENS

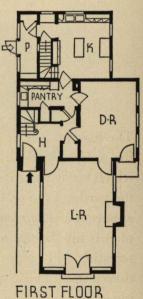
Wood frames with copper wiring.

#### WINDOW DRESSING Venetian blinds.

# 74. HOUSE FOR TOWAR BATES, MORRISTOWN, N. J.







### CONSTRUCTION OUTLINE

FOUNDATION

Walls-Straub cinder block. Cellar floor-cement.

Waterproofing-Anti-Hydro. FRAME CONSTRUCTION

Wood.

MASONRY CONSTRUCTION

Chimney-Sayre & Fisher Brick Co.

EXTERIOR SURFACE

Clapboards 12" cypress 10" to weather.

Stucco-cement stucco on wire lath.

ROOF

Slate on sheathing-1/4" Pennsylvania black "Bangor."

Valleys

Gutters 16 oz. copper.

Flashing .

Down spouts-16 oz. copper round.

Composition sheathing paper-"Sta-tite."

DOOR AND WINDOW FRAMES

Sash and frames

Double hung stock, Anderson.

Casement

Doors and frames (exterior)-wood.

PORCHES

Concrete floor.

Matched pine walls.

Double thick Libbey-Owens-Ford.

INTERIOR PAINT

Siding | Priming Trim Finish coat lead and oil. LATH AND PLASTERING

Lathing Metal on ceiling.

Wood on walls.

Plastering-patent plaster, white finish-

ing coat.

INTERIOR WOODWORK

Trim and floors-pine.

Painted surfaces-all pine.

Shelving and cabinets-pine.

Stock millwork-all except trim.

INSULATING

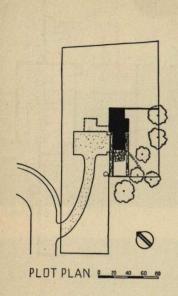
Attic floor-Johns-Manville rock wool. Weatherstripping-doors only, Chamber-

lin.

INTERIOR FINISHES

Floors-stain, shellac and wax.

# ALBERT LEE HAWES, ARCHITECT





GARDEN AND LIVING ROOM TERRACE

The house was first designed as flat-roofed modern. The client objected to its uncompromising severity, and the present house is the result. It is in no definite "style" but the exterior achieves by simplicity character which many consciously traditional designs lack. The relation of the house to the plot and the treatment of the garden are excellent. Through the use of walls this house, like the quite different No. 4, gains greatly in apparent size, and the garden is not only sheltered, but becomes an integral part of the living scheme. The plan is intelligently adapted to a narrow plot. The entrance, close to the middle of the side elevation, is interesting and reduces the trip of the maid to the front door. Three bathrooms on the second floor are more than a small house architect often has to cope with. The architect managed to include them without cramping either bathroom or bedroom. Cost: \$11,800. Cubage: 28,000 at about 42 cents per cubic foot.

Doors lead and oil. Sash

Walls-painted.

WIRING

Cable-BX Electrical fixtures-James R. Marsh. Switches-Toggle, Westinghouse Electric & Mfg. Co.

LIGHTING

Direct.

PLUMBING Kitchen

Sink-Kohler combination laundry tray and sink.

Refrigerator-electric.

BATHROOM

Fixtures-Kohler Co. Cabinets-Columbia Metal Box Co. Bath tubs | Kohler Co. Toilets Seats-Church Mfg. Co.

PIPES

Chase Brass & Copper Co.

HEATING

Oil Boilers-Quiet May, May Oil Burner Corp. Radiators-Richwar, Richmond Radiator Co.

Piping-steel.

Valves-Warren Webster (2-pipe air return).

Hot water heater-integral with boiler.

CHIMNEY

Fireplaces Facings selected old brick. Mantels-wood.

Damper-Covert old style.

HARDWARE

Interior } Corbin. Exterior

SCREENS

Bronze mesh.

WINDOW DRESSING Blinds-solid raised panel.

# 75. HOUSE FOR C. M. PETIT, PASADENA, CALIFORNIA



ENTRANCE APPROACH

Miles Berne Photos



GARDEN AND SERVICES

The plan of the house is organized, as so many Western houses are, to take advantage of the garden placed at the rear. This arrangement presents the difficulty of treating large and continuous wall areas in an interesting manner, happily solved in this example by a receding porch on the front and two gabled projections facing the rear garden. Cost: Approximately 301/2 cents per cubic foot.

### CONSTRUCTION OUTLINE

Walls-concrete, California Portland Cement Co.

Cellar floor-cement.

Waterproofing-Anti-Hydro.

FRAME CONSTRUCTION Douglas fir. Sills-redwood.

MASONRY CONSTRUCTION

Common brick walls in garden-Los Angeles Brick Co.

EXTERIOR SURFACE

Clapboards-white pine.

Stucco - cement, reenforcement by Youngstown Pressed Steel Co.

Wood shingles on shingle lath-No. 1 Perfect cedar.

Valleys

Flashing | Galvanized iron, Armco. Composition sheathing paper-Sisalkraft.

DOOR AND WINDOW FRAMES

Double hung sash-sugar pine.

Frames-Douglas fir.

Doors and frames (exterior)-sugar pine and Douglas fir.

Garage doors-white pine.

PORCHES

Reenforced concrete - acid stained cement.

GLASS

No. 1, 26 oz., American Window Glass Co.

EXTERIOR PAINT

Shingles-oil stain.

Siding

Trim Cabot's double white. Sash

LATH AND PLASTERING

Lathing

Douglas fir.

**Plastering** 

Patent plaster-hardwall. Finishing coat-putty.

INTERIOR WOODWORK

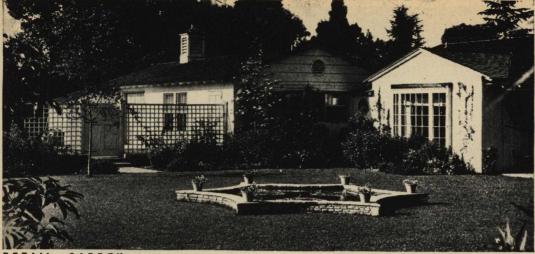
Trim and floors

Hardwood-oak.

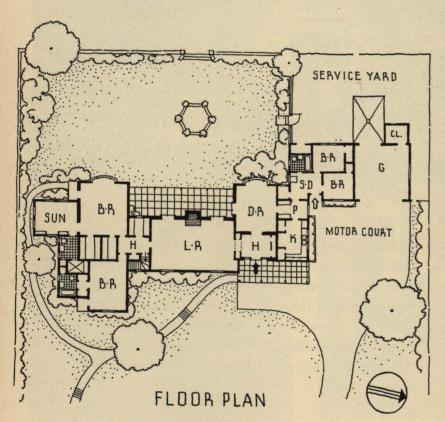
Painted surfaces-white pine.

Shelving and cabinets-white pine.

## McNEIL SWASEY, ARCHITECT, GENE H. BROCKOW, ASSOCIATE



DETAIL, GARDEN





ENTRANCE DETAIL AND DINING ROOM

```
Outside walls—Sisalkraft paper.
Weatherstripping—Chamberlin metal.

INTERIOR FINISHES
Floors—stain and wax.
Trim
Doors
Sash
Walls
Wallpaper—Lloyd's.

WIRING
Cable—General Electric.
Electrical fixtures—B. B. Bell & Co.
```

LIGHTING

Direct

Refrigerator—Frigidaire.

BATHROOM
Cabinets—metal and wood.
Bath tubs
Toilets
Seats
Showers
Showers
Shower curtains—waterproof silk.
Tile—American Encaustic Tile Co.
PIPES
Wrought iron—Reading.

Sink-Standard Sanitary.

PLUMBING

Kitchen

Stove-gas.

HEATING Piping-galvanized iron. Hot water heater-Crane Co. CHIMNEY **Fireplaces** Facings Hearths marble. Mantels-wood. Damper-Covert. HARDWARE Interior and exterior-Yale & Towne. SCREENS Alloy, Hipolito Screen Co. WINDOW DRESSING Venetian blinds — National Venetian Blind Co.

## 76. HOUSE FOR ROBERT L. DYER, SEATTLE, WASHINGTON



Hazen Photos

Elements of Tudor design were incorporated to produce a not unpleasing result. The hall descends three steps to the first floor level. A steeply sloping site dictated this change of level and also made possible an economical basement in which is stored the machinery and sound chamber of a pipe organ. Though the gabled dormers somewhat detract from the general repose of aspect, they are, nevertheless, a frank concession to utility and are not at variance with the modes from which the external form was adapted. The exterior of brick veneer, painted white, and wood form an agreeable combination. Cost: \$13,000. Cubage: 53,000 at 24½ cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls—concrete, Pioneer Sand & Gravel
Co.

Columns-wood.

Cellar floor—concrete, Pioneer Sand & Gravel Co.

Waterproofing-hot asphalt, Union Oil Co.

### FRAME CONSTRUCTION

Fir

Girders—steel I-beams, Bethlehem Steel Co.

### EXTERIOR SURFACE

Brick veneer—common brick, Builders
Brick Co.

Rough cedar siding—Seattle Cedar Lumber Mfg. Co.

### ROOF

Wood shingles on shingle lath—double coursed 5x, Seattle Cedar Lumber Mfg. Co.

Valleys 16 oz. copper, American Flashing Brass Co.

Gutters 26 gauge galvanized iron.

Down spouts American Rolling Mill Co.

DOOR AND WINDOW FRAMES

Sash and frames

Steel sash—Truscon Steel Co.

Doors and Frames (exterior)—wood,

Quality Millwork Co.

Garage doors-wood, Overhead Door Co.

### PORCHES

Reenforced concrete — Pioneer Sand & Gravel Co.

Tile floor-quarry tile, Builders Brick Co.

### GLASS

Double strength A, Libbey-Owens-Ford Glass Co.

EXTERIOR PAINT

Shingles—brush stained, Schorn Paint Co.

Siding Trim white, Schorn Paint Co. Sash

Brick veneer—Bay State Brick & Cement coater.

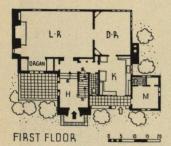
LATH AND PLASTERING

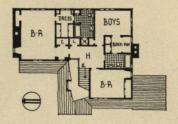
Lathing—wood, Reed Mill & Timber Co.
Plastering—Standard Gypsum Co.

INTERIOR WOODWORK

Hardwood floors—oak, Bruce Co.
Stainwoods—knotty hemlock.
Painted surfaces
Shelving and cabinets (vertical grain fir.

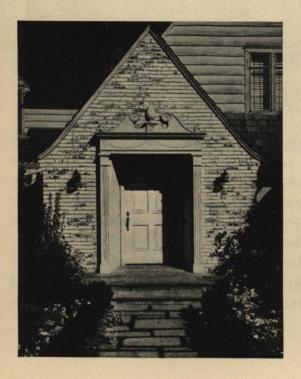
# GEORGE WELLINGTON STODDARD, ARCHITECT





SECOND FLOOR

PLAN: Kitchen convenient to hall and directly accessible to dining room. The interest of this plan derives from putting the kitchen at the front of the house with the windows of the living room at the back, where they command an extensive outlook. Maid's room has separate entrance, making it a self contained and, if the owners so desire, a rentable unit. Dressing room-bathroom arrangement good.





### INSULATING

Outside walls-Sisalkraft paper. Attic floor-Insulite. Weatherstripping—Chamberlin.

### INTERIOR FINISHES

Trim 3 coats paint, Schorn Paint Co.
Doors 1 coat enamel, Pratt & Lambert's "Vitrolite."

Walls-paint and paper.

### WIRING

Electrical fixtures—Seattle Lighting Fixture Co.

Switches-Hart & Hegeman.

LIGHTING

Durect-

PLUMBING

Kitchen

Sink-Standard Sanitary.

### BATHROOM

Fixtures-Standard Sanitary. Cabinets-American Glass Co. medicine cabinet.

Bath tubs Standard Sanitary. Seats-Church.

Showers-Standard Tile-Gladding, McBean & Co.

PIPES

Wrought iron.

### HEATING

Thermostat and regulators-Minneapolis-Honeywell.

AIR CONDITIONING

Fan and air conditioner.

### CHIMNEY

Fireplaces

Facings-brick.

Mantels-wood.

Damper-Richardson high form.

### HARDWARE

Interior and exterior-Yale & Towne, Earle.

SCREENS

Roller type.

### WINDOW DRESSING

Shades

Venetian blinds

# 77. HOUSE FOR DR. T. McKEAN DOWNS, BRYN MAWR,



Wallace Photo

PROBLEM: "The special considerations which influenced the design were very few. The client is the sole occupant of the house, except for occasional visits from his son. He therefore preferred a dining alcove to a full dining room. The living room, and the main bedroom directly above, had to be on the west side of the house to take advantage of the delightful outlook over fields, stream, and pool. Woodworking and flowers are the client's hobbies, and it was required to provide a completely equipped shop in the basement and a small lean-to greenhouse on the southwest corner of the house with direct communication to the office, where he spends most of his time."

Few types of early American houses show more vigor, or better adaptation to local conditions than the Pennsylvania farmhouse. Few have been more abominably travestied in the residential architecture of recent years. In this house outside of Philadelphia the architect has handled his materials and forms with such restraint and skill that none of the criticisms ordinarily made can be applied here. The walls have excellent texture without being exaggeratedly rough, and the stone joints have been left in the natural color of the mortar, thereby preserving the simplicity of the wall surface. Some wood has been used for exterior surfaces, but in amount small enough not to disturb the fine stone character of the house. Cost: 281/2 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls and piers-stone. Cellar floor-cement.

FRAME CONSTRUCTION

Hemlock. Plate and girders Longleaf Yellow pine.

MASONRY CONSTRUCTION Stone walls-local stone.

EXTERIOR SURFACE Clapboards-cypress.

ROOF

Wood shingles on shingle lath-No. 1 Royal, Washington Red Cedar.

Valleys-open.

Gutters-copper lined.

Flashing-copper.

Down spouts-copper.

DOOR AND WINDOW FRAMES Sash and frames-wood.

Double hung-yellow pine pulley stiles, long leaf.

Yellow pine Sills, white pine sash.

Casement-white pine

Doors and frames (exterior), garage doors-white Pine

Brick floor-old paving brick.

GLASS

Libbey-Owens-Ford double thick grade A. EXTERIOR PAINT

Roof-shingles, left to weather.

Siding, trim and sash-priming of white lead, 3 coats Cabot's double white.

LATH AND PLASTERING

Lathing

Metal-in corners only and garage ceiling.

Wire-living room ceiling.

Wood-spruce.

Plastering-finishing coat of lime plaster.

INTERIOR WOODWORK

Trim and floors-white pine trim, long leaf yellow pine. floors except in service portion or under linoleum where N. C. pine is used. Library has S. F. brick floor. Stainwoods and painted surfaces of white pine.

Shelving and cabinets-white pine.

Stockmillwork-2nd floor interior doors.

Outside walls-11/4" cork board used as plaster base, all exterior walls.

Attic floor-4" rock wool over entire 2nd

Weatherstripping — zinc, interlocking type, all exterior openings except basement.

INTERIOR FINISHES

Entire 1st floor except library and kitchen, painted walls and woodwork.

# PA., RICHARD W. MECASKEY, ARCHITECT

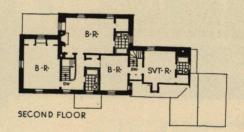


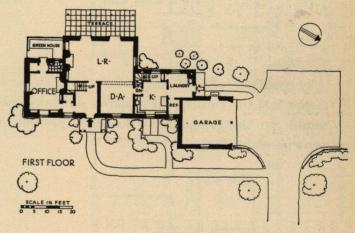
GARAGE AND SERVICE ENTRANCE



LIVING ROOM

PLAN: Arrangement of living room and dining alcove excellent; it makes for a spacious interior and a form more interesting than a simple rectangle. It is necessary for the maid to go through the living room to go to the front door, but in an informal living scheme, this should not be objectionable.





Floors-Stained and waxed (dark). Wallpaper-all bedrooms. Sanitas all bathroom walls.

Switches-toggle, plates in colors to match walls.

### LIGHTING

Direct.

### PLUMBING

Kitchen.

Sink-Kohler Co.

Cabinet-detailed and built in. Stove - Chambers' Automatic gas

range.

Refrigerator-Frigidaire.

### BATHROOM

Fixtures-Kohler Co. Cabinets-Kleer-Vu. Showers-over tubs.

Shower curtain-white duck. Tile-3 courses around tubs only.

### PIPES

Brass.

Oil-Williams' Oil-o-matic with B. & G. Booster.

Radiators-American Radiator "Corto" (concealed).

Hot water heater-included in Oil-o-matic set up.

Thermostat and regulators — separate thermostatic control for green house.

### CHIMNEY

Facings and hearths-Verde Antique Marble in living room, rough stone in library. S. F. brick hearth in bedroom.

Mantels-Original mantel from old family mansion used in living room. Simple wood elsewhere.

Damper-Covert old style.

Interior—about half of early American design, made to order. Remainder Corbin.

Exterior-Corbin.

### SCREENS

Wood and copper wire by carpenter.

### WINDOW DRESSING

Shades-throughout 2nd floor. Venetian blinds-in all main rooms 1st floor.

### SPECIAL EQUIPMENT

Access to attic-Bessler Pull-Down stairs. Small lean-to green house by Hitchings & Co.

## 78. HOUSE FOR JOHN KAEWATS, ROCKVILLE CENTER, L. I.



Gustav Anderson Photos

THE main part of the house and the wing on the left are approximately the same size. But the wing's arches and the consequent shadows skillfully subordinate it to the central portion. Proper planting would give the garage a less dominant position in the design. Cost: \$12,500. Cubage: 43,000 at 29 cents per cubic foot.

### CONSTRUCTION OUTLINE

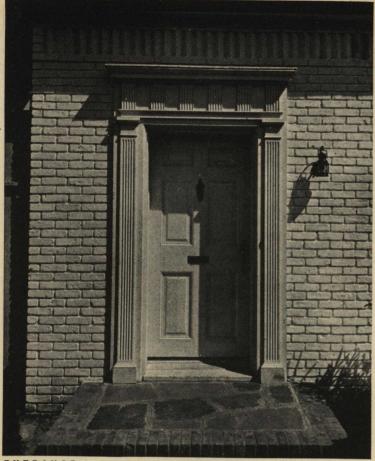
### FOUNDATION Walls and piers-poured concrete. Columns-Lally. Cellar floor-cement (fir floor for play room). FRAME CONSTRUCTION Fir Brick veneer-Staple's common brick. Stone veneer-Westchester. Shingles-cedar, Perfection. Flush boarding-redwood. ROOF Slate on sheathing-Bangor black slate. Valleys Gutters 16 oz. copper. Flashing Down spouts

```
Salt glazed tile drains-to drywells.
  Composition sheathing paper-20 lb. felt.
DOOR AND WINDOW FRAMES
   Sash and frames
     Double hung local lumber yard.
     Steel sash-Fenestra cellar sash.
  Doors and frames (exterior)
                             Curtis
  Garage doors
PORCHES
   Posts, arches and trim-redwood.
   Floors-concrete with slate flagging.
GLASS
   Pennvernon, Pittsburgh Plate Glass Co.
EXTERIOR PAINT
   Shingles-brush stained.
   Siding
   Trim
           3 coats Atlantic white lead.
  Sash
```

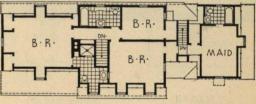
### LATH AND PLASTERING Lathing Wood-lath. Metal corner pieces. Composition plaster base-Celotex on 2nd floor ceiling. Plastering Patent plaster-King's Windsor. Finishing coat-plaster of Paris. INTERIOR WOODWORK Floors-oak throughout. Stainwoods-knotty pine. Painted surfaces—white pine. Shelving and cabinets-knotty pine and white pine. INSULATING Attic floor-Celotex. Weatherstripping-Kingsway metal strip-

ping.

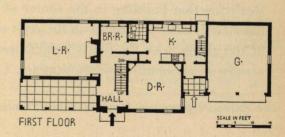
## NEW YORK, MAXMILLIAN R. JOHNKE, ARCHITECT



ENTRANCE



SECOND FLOOR



#### INTERIOR FINISHES

Floors-Minwax stain and wax.

Trim | cream color, some trim natural Sash wax.

Walls-kitchen and baths enamel paint. Wallpaper-all principal rooms.

#### WIRING

Cable-BX.

Electrical fixtures—Lightolier Co. Switches-toggle.

LIGHTING

Direct

#### PLUMBING

Kitchen

Sink-Standard Sanitary flat rim sink.

Cabinet-Kingsway. Stove-Star.

#### BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Cabinets-Kingsway. Bath tubs-Standard Sanitary recessed. Toilets-Standard Sanitary. Showers-Kingsway glass door. Tile-Mosaic Tile Co.

Copper by National Copper Tubing.

#### AIR CONDITIONING

Central-Delco oil burning "Conditionair."

#### CHIMNEY

Fireplaces

Facings-brick.

Hearths-slate.

Mantels-design part of wall treatment of knotty pine.

Damper-H. W. Covert Co.

#### HARDWARE

Interior and exterior-Schlage Lock Co.

#### SCREENS

Copper screens full length.

#### WINDOW DRESSING

Shades-linen.

Blinds-Curtis.

#### SPECIAL EQUIPMENT

Telephone alcove unit special design.

## 79. HOUSE FOR E. K. HUNT, WYOMING, OHIO



Because this 230 x 350 foot lot was unruly and hilly the owner was able to buy it advantageously. Realizing that building in the center of the lot would have necessitated an expensive two-level house the owner decided to build on the crest of a hill and use this saving for landscaping. The incorporation of the garage with the house contributes to its pleasing form and results in the through-porch which creates an automatic draft in summer. Cost: \$11,500. Cubage: 29,500 at 39 cents per cubic foot.

the garage's purpose. Cost: \$11,500. Cubage: 29,500 at 39 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls—concrete poured.
Columns—steel stanchions.
Cellar floor—cement.

Waterproofing—Cellite.

FRAME CONSTRUCTION Yellow pine.

Sills—oak.

EXTERIOR SURFACE

Clapboards—first story.

Shingles second story, some vertical boarding and battens garage wing.

ROOF

Wood shingles on shingle lath. Valleys—closed, copper flashed.

Gutters—O. G. improved fir gutter.
Flashing
Down spouts

Copper

DOOR AND WINDOW FRAMES

Sash and frames—double hung type.

Doors and frames (exterior)—white pine.

Garage doors—white pine.

PORCHES

Reenforced concrete.

GLASS

Double strength, quality A, by Libbey-Owens-Ford

EXTERIOR PAINT

Shingles—dipped and brush stained; 2 coats, Truscon white.

Siding Priming—lead and oil.

Trim Finish coat—2 coats
Sash Truscon white.

LATH AND PLASTERING

Lathing—Composition plaster base.

Plastering

Patent plaster.

Finishing coat—white.

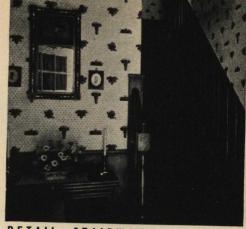
INTERIOR WOODWORK

Floors—knotty random width oak. Stainwoods—knotty white pine. Shelving and cabinets—poplar. Stock millwork—stock and special.

# ROBERT ISPHORDING, ARCHITECT



ENTRANCE APPROACH



DETAIL, STAIRWAY



LIVING ROOM

FIRST FLOOR

ROOF

ROOF

SECOND FLOOR

The house, both inside and out, has much to commend it. Greater living space could have been created from one end of the living room through to the garage, a distance of about forty feet, by glazing from floor to ceiling with French windows or simply fixed-sash at the end of the living room and the part of the dining room which gives on the porch. The vertical boarding and the mantel design are good.

PLAN: Readily workable, with kitchen having easy access to main and servants' entrances, dining room and stairs. Bathroom connects directly with no bedroom. In a small house this is desirable because, when two flanking bedrooms have access to the intervening bathroom, the occupant of the bathroom locks his neighbor's door and then frequently forgets to unlock it.

#### INSULATING

Overhangs-1" Insulite. Attic floor-1/2" Insulite. Weatherstripping-interlocking type.

#### INTERIOR FINISHES

Floors-stain, shellac and wax. Trim | stain, shellac, wax and Doors | Vitrolite Vitrolite enamel. Sash-stain, Valspar varnish and Vitrolite enamel.

#### WIRING

Cable-BX. Electrical fixtures-brass by owner. Switches-Bryant.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-Veribrite.

Cabinet-McDougall.

Refrigerator-General Electric.

#### BATHROOM-

Fixtures-Crane. Cabinets-Lawco.

Showers Crane. Shower curtains

Tile-Cambridge.

#### PIPES

By Anaconda.

Gas-Pennsylvania Furnace, gravity. Thermostat and regulators-Minneapolis-Honeywell.

#### CHIMNEY

Fireplaces

Facings faience tile. Hearths

Mantels-knotty white pine. Damper-Donley.

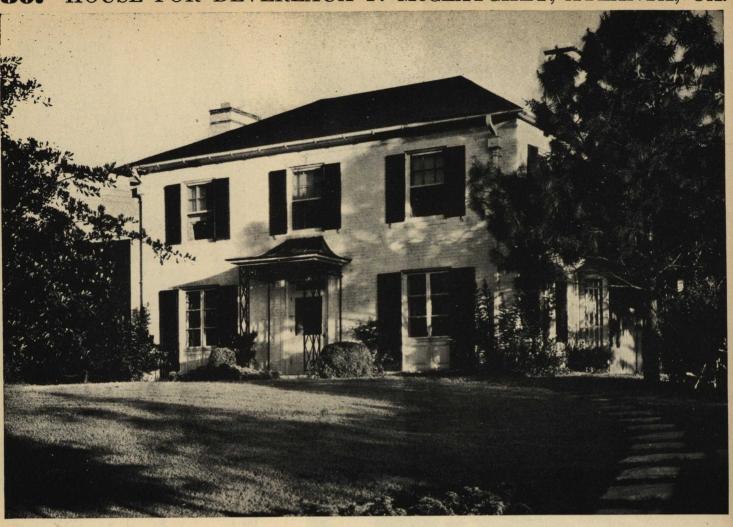
#### HARDWARE

Interior and exterior-McKinney.

#### WINDOW DRESSING

Blinds-American Shade Co., Brenneman.

## HOUSE FOR DEVEREAUX F. McCLATCHEY, ATLANTA, GA.



PROBLEM: A small house for a lawyer and his wife. One positive requirement, an isolated law library virtually shut off from the rest of the A rear alley permitted placing the garage at the rear of the lot, thus eliminating a driveway from the street.

The house, instinct with all the quiet poise of the Regency manner, has a charming exterior characterized by simple formality; the ironwork of the porch over the entrance door is graceful and well detailed. A curious concession to preserve a stylized exterior is the large window over the main entry. This window opens into a closet, the wall of which was bent to accommodate. The formal lawn with the heavy trees close to the house is in character. Cost: 26.7 cents per cubic foot.

### CONSTRUCTION OUTLINE

Walls and p. rs-Chattahoochee common brick.

Columns-steel.

Cellar floor-4" concrete.

Waterproofing-2 coats of pitch on exterior of walls, 4" open tile drains at footings.

FRAME CONSTRUCTION

Short leaf yellow pine.

MASONRY CONSTRUCTION

Common brick walls - Chattahoochee, Portland cement mortar.

EXTERIOR SURFACE

Brick veneer - Chattahoochee common brick.

Composition shingles on sheathing-Bird

& Son Inc., 3 in one strip, thick butt, black slate finish.

Gutters Armco galvanized iron. Flashing

Down spouts Composition sheathing paper-Neponset, Bird & Son, East Walpole, Mass.

Copper hood over front entrance and kitchen door.

DOOR AND WINDOW FRAMES

Sash and frames

Double hung-1%" sash yellow pine on 2nd floor.

yellow pine on 1st Casement-134" floor.

Steel sash-"Fenestra" in basement. Doors and frames (exterior)—yellow pine.

PORCHES Reenforced concrete slab with random

rectangular "Crab Orchard" stone finish.

GLASS

Single strength B grade, Libbey-Owens-Ford Glass Co.

EXTERIOR PAINTING

Brick veneer-Sherwin-Williams stucco paint.

Trim Sherwin-Williams exterior paint Sash

LATH AND PLASTERING

Lathing

Metal-on ceilings. Wood-on walls, metal Cornerite.

Plastering

Patent plaster-U. S. Gypsum. INTERIOR WOODWORK Trim-yellow pine.

# W. MONTGOMERY ANDERSON, ARCHITECT

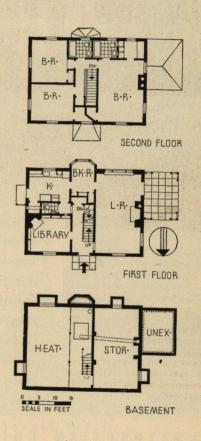


ENTRANCE DETAIL

PLAN: Access from kitchen to entrance simply solved for typical cube house with center hall. An apparently simpler solution would have been to place the kitchen where the library is, but rear alley conditions prohibited it. Basement includes servant's toilet, laundry, heating equipment, storage space and recreation room.



FIREPLACE LIVING ROOM



Floors-oak.

Stainwoods-knotty white pine boards in library.

Painted surfaces—vertical poplar boards in living room and hall.

Shelving and cabinets—yellow pine in kitchen, breakfast room cupboard. Stock millwork-all millwork by Willing-

ham-Tift Lumber Co., Atlanta, Ga.

INSULATING

None.

INTERIOR FINISHES

Floors-dark oak stain and filler, shellacked and waxed.

Trim

Doors Sherwin-Williams semi-gloss.

Walls-Benjamin Moore's Muresco. Wallpaper-bedroom No. 1.

WIRING

Cable-BX.

Electrical fixtures—Capitol Electric Co.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink - Standard Sanitary, double drainboard.

Stove-Tappan gas range. Refrigerator-Kelvinator.

HEATING

Gas.

AIR CONDITIONING

Central-Moncrief gas-fired forced draft

heating with thermostat, humidistat,

CHIMNEY

Fireplaces

Facings-black slate in library, blue Dutch tile in living room.

Hearths-black slate in living room and library.

Mantels-wood, special design.

Damper-Donley.

HARDWARE

Interior and exterior-Corbin, dead black finish.

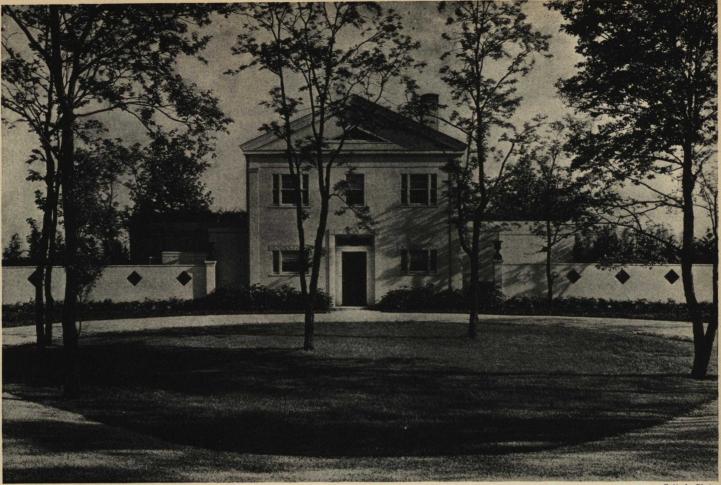
SCREENS

Wood frames by local mill.

WINDOW DRESSING

Blinds-wood louvered by Wellingham-Tift.

#### HOUSE FOR R. COLGATE V. MANN, LOCUST VALLEY 81.



Gottscho Photos

PROBLEM: To build inexpensively for a small family a house combining economy of household labor and maintenance costs with urbanity of architectural style and due consideration for the amenities of modern suburban life. At the same time to adapt one or more of the Classic phases current in the late 18th or early 19th Century to the expression of present requirements.

Blending inspiration from the French Directoire and the English Regency modes, which lend elegance and courtliness to the small house. This result challenges admiration by its poised, convincing simplicity. The white-painted matched boarding of the external walls, the restraint of ornament, and the symmetrical proportions all contribute serenity, a quality likewise found in the plan. Cost: \$12,788. Cubage: 39,965 at 32 cents per cubic foot.

### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls-poured concrete. Columns-lally. Cellar floor-concrete. Waterproofing-fabric at sill line.

FRAME CONSTRUCTION Spruce. Girders-steel | beams.

EXTERIOR SURFACE Flush boards-pine.

Slate on sheathing-Bangor. Gutters-copper lined pine. Flashing-copper. Down spouts-wrought iron, inside. Flat decks-slate.

#### DOOR AND WINDOW FRAMES

Sash and frames Double hung Casement type { pine to details. Doors and frames (exterior)-pine to details. PORCHES

Floor-oak. GLASS Libbey-Owens-Ford Glass Co.

Trim

EXTERIOR PAINT Siding lead and oil paint.

Sash LATH AND PLASTERING

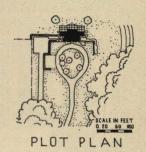
Lathing-composition plaster base, Celotex Plastering-2 coat Job, white finish.

#### INTERIOR WOODWORK

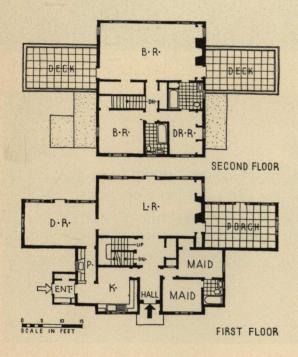
Trim-pine. Floors-oak Painted surfaces-pine. Shelving and cabinets-pine to detail. Stock millwork-doors, pine, INSULATING Outside walls Celotex. Roof rafters Attic floor-Bird insulating board, Bird & Son, Inc. Weatherstripping. INTERIOR FINISHES Floors-filled, stained and waxed. Doors lead and oil. Sash Walls Wallpaper-baths only.

# NEW YORK, HARVEY STEVENSON AND EASTMAN STUDDS, ARCHITECTS





REAR GARDEN



PLAN: The plan is direct and logical. Flanked on one side by the maids' quarters, on the other by the kitchen-which commands ready access to both the front door and the dining room-the entrance hall leads straight to the large living room extending across the entire garden front of the main house. This assures both privacy and agreeable outlook. The sequence of divisions is natural and the compact arrangement thoroughly convenient.



ENTRANCE DETAIL

WIRING Cable-BX. Toilets Crane Co. Electrical fixtures-by owner to archi-Seats tect's design. Showers Switches-toggle type, Harvey Hubbell, Composition tile-"Royalite," U. S. Rub-Inc. ber Co. LIGHTING Direct and indirect. Supply-brass and copper-Chase Brass PLUMBING & Copper Co. Kitchen Soil and vent-wrought iron, A. M. Sink-Crane Co. Byers Co. Cabinet-to architect's detail. HEATING Refrigerator by owner. Oil fired steam system. Washing machine Boilers-General Electric Co. BATHROOM Radiators Fixtures Hoegger, Inc. Piping Dunham Co. Valves

Hot water heater Thermostat and regulators | Electric Co. CHIMNEY **Fireplaces** Facings | marble, slate. Mantels-by owner. Damper-H. W. Covert Co. HARDWARE Interior and exterior - special design, Peter & Neale Co., New York. SCREENS Copper, wood frames. WINDOW DRESSING Shades-by owner. Venetian blinds-Western Venetian Blind Co.

## 82. HOUSE AT CONCORD, MASSACHUSETTS



REAR VIEW

Paul Weber Photos

The studied rigidity and formality of this house with its single, great chimney and toilet vent pipe carefully on axis are relieved on the interior by a non-symmetrical plan. The sun porch, an element accepted by the conservatives in architecture, is a summation of much of the philosophy expressed in such designs as Houses Nos. 8 and 9. In this case, it remains simply a glazed porch, well handled, and with the capricious criss-cross balustrade above it a cheerful note. Cost: \$13,137. Cubage: 30,460 at 43 cents.

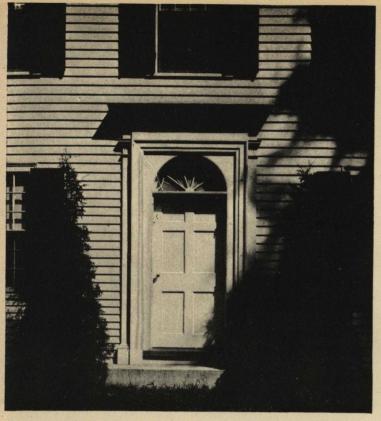
### CONSTRUCTION OUTLINE

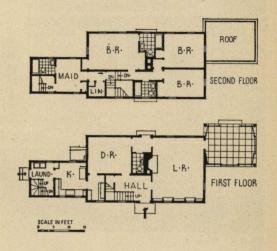
FOUNDATION Walls-concrete. Columns-lally. FRAME CONSTRUCTION Fir. Girders-steel. EXTERIOR SURFACE Clapboards-fir. ROOF Wood shingles-white cedar on boarding. Valleys-closed. Gutters-redwood. Flashing-16 oz. copper. Down spouts-wood, 16 oz. copper goosenecks. Composition sheathing paper-Brownskin waterproof building paper, Angier Mfa. Co. Hoods over doorways-16 oz. copper.

DOOR AND WINDOW FRAMES Sash and frames. Double hung-white pine. Doors and frames (exterior)-white pine. PORCHES Wood floor-heart rift hard pine. GLASS Single thick by Libbey-Owens-Ford Glass Co. EXTERIOR PAINT Siding Trim 3 coats lead and oil. Sash LATH AND PLASTERING Lathing Metal-24 gauge, 2.8 lb. standard. Composition plaster base-"Homosote," Agasote Millboard Co. Plastering

Patent plaster-Rockwall plaster, Atlantic Gypsum Products Co. Finishing coat - Riverside Gauging plaster and Rockwall hydrated lime by Atlantic Gypsum Co. INTERIOR WOODWORK Trim and floors-Arkansas pine, main stairs mahogany. Painted surfaces-white wood, white pine. Shelving and cabinets-red birch. INSULATING Attic floor-1" Cabot's Quilt under Joists. Weatherstripping-Reese Flexo-Seal interlocking zinc, Reese Metal Weatherstrip Co. INTERIOR FINISHES Floors-stain, Minwax.

## DERBY, BARNES AND CHAMPNEY, ARCHITECTS







PLAN: This type usually has hall and stairs down the center of the building. Here the stairs are placed to the side against a window. The location of the maid's room gives direct access to the entire second floor, eliminating the customary service stairs.

Trim
Doors
Sash
lead and oil paint.

Walls—baths, lead and oil over painter's linen. Service wing, lead and oil.

Wallpaper-balance of house.

WIRING

Cable—BX-House, No. 4 Parkway underground.

Electrical fixtures—Bigelow, Kennard & Co.

Switches—toggle type, General Electric.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-enameled iron.

BATHROOM

Fixtures-Locke, Stevens & Sanitas.

Cabinets—Conant Bros. Co. Bath tubs—enameled iron. Toilets—vitreous china. Seats—white celluloid.

Floor-1/2" cork tile.

PIPES

Brass and copper—American Tube Works, Boston, Mass.

Wrought iron—A. M. Byers Co. and Reading Iron Co.

Steel-Youngstown Pressed Steel Co.

HEATING

Coal.

Boilers-"Ideal" Red Flash.

Radiators-"Murray" convectors.

Piping—Youngstown Sheet and Tube Works.

Valves-Jenkins.

Hot water heater—Ruud "Autohot." Stoker—Electric Furnace-Man.

CHIMNEY

Fireplaces

Facings—cement.

Hearths-waterstruck brick.

Mantels-wood.

Damper-Murdock.

HARDWARE

Interior and exterior—W. C. Vaughan Co., Boston.

SCREENS

Metal frames, copper bronze wire, Cam-

bridge Screen Mfg. Co.

WINDOW DRESSING

Shades—hand-painted tint cloth, Crown Shade & Screen Co.

Blinds-white pine painted.

## 83. DEMONSTRATION HOUSE, LOS ANGELES "TIMES"



The house shows the growing tendency in California residential architecture to combine features of modern and traditional design. Not unlike the typical ranch house with its long lines and sloping roof, this house takes on new character through the use of horizontal rows of casements, and of the glazed metal lattice over the entrance terrace. The plan provides living and sleeping quarters separated without loss of convenience. The one bath centrally located is accessible from any part of the house. A dining terrace and a porch furnish outdoor living spaces, privacy being obtained by screens of translucent glass. The interiors carry out the scheme of combining old and new motives; the walls of the living room, hall and dining room are covered with large sheets of wood veneer, while the bedroom is treated in a more conventional manner. Cost: \$10,000. Cubage (house) 19,000, (garage) 5,250.

### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls and piers—reenforced concrete.
Riverside Portland Cement Co.

#### FRAME CONSTRUCTION

Entire frame, steel—standard rolled sections electrically welded by Columbia Steel Co. Fabrication, Unitype Builders, Inc., Los Angeles.

#### MASONRY CONSTRUCTION

Terrace walls and chimneys. Same brick and mortar as for exterior veneer.

#### EXTERIOR SURFACE

Brick veneer — specially manufactured small Roman brick light coral color by Gladding, McBean & Co. and Los Angeles Brick Co.

#### ROOF

Tile on Sheathing—special white overglazed shingle tile on 1¾" wood sheathing and tile by Gladding, Mc-Bean & Co. Sheathing—1¾" T. & G. Oregon Pine. Gutters | Galvanized Iron—"ARM-Flashing | CO"—American RollDown Spouts | ing Mill Co.

Composition sheathing paper—Two thicknesses "Flintco" by Pioneer Roofing Co., subsidiary of Johns-Manville Co.

#### DOOR AND WINDOW FRAMES

Windows and French doors steel casements by Druwhit Metal Products
Co., Los Angeles.

Doors and frames—Main entrance and service, wood.

Interior doors wood.

Garage Doors — "Over-the-top" door equipment by Frantz Mfg. Co.

#### PORCHES

Brick Floor—Entrance terrace paved with brick, same as exterior veneer.

Tile Floor—Dining terrace and living room terrace quarry tile by Alhambra Kilns, Los Angeles.

#### GLASS

Pennvernon, Pittsburgh Plate Glass Co.

#### EXTERIOR PAINT

All paint and stain by General Paint Corp.

—White Lead by National Lead Co.

#### LATH AND PLASTERING

Metal—"Lathex," by Penn Metal Co.
Plastering—"Lavalite" patent acoustical
plaster by Lavalite.Products Inc.

#### INTERIOR WOODWORK

Trim and Floors—All doors and trim Oregon Pine, Dining Room and Hall floors of Oak. Living Room carpeted throughout, bedrooms and kitchen linoleum by Paraffine Co., Inc.

Paneling—Dining room walls 1/4" Philippine mahogany veneer, living room 1/4" Birch veneer—all by E. J. Stanton Mfg. Co.

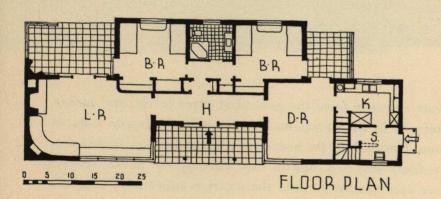
Shelving and cabinets—Oregon Pine.
Stock millwork—None.

## H. ROY KELLEY, EDGAR BISSANTZ, HAROLD G. SPIELMAN, ASSO. ARCHITECTS



ENTRANCE PORCH

BEDROOM DETAIL



PLAN: Diagonal ventilation in living and dining rooms. Outdoor fireplace. Recessed wardrobes. Less preoccupation with symmetry and publicity requirements would have resulted in more efficient utilization of space. The hall and terrace arrangement is somewhat out of proportion to the scheme as a whole.

#### INSULATING

Outside walls—"Insulite" 1" thick. Weatherstripping—None.

#### INTERIOR FINISHES

All paint and enamel by General Paint Corp.—White Lead by National Lead Co.

Wallpaper—Bedrooms and bedroom hall papered on "Insulite Hardboard." Paper by Stockwell Wall Paper Co. of Los Angeles.

#### WIRING

Cable—Austin steel tube by General Electric Co.

Electrical Fixtures—manufactured locally. Switches—Distributing panel by Frank Adams Co., switches and plates by Bryant Electric Co.

#### LIGHTING

Direct and indirect.

#### PLUMBING

Kitche

Sink-Monel metal by International Nickel Co.

Cabinets-Oregon Pine.

Stove-Gaffers & Sattler.

Refrigerator-O'Keefe & Merritt.

Washing machine and electric ironers—
A. B. C. Altorfer Bros.

#### BATHROOM

Fixtures—Standard Sanitary Mfg Co.
Cabinets—medicine case especially made
by Pryne Co. Los Angeles.

Wainscot—"Carrara" glass by Pittsburgh Plate Glass Co.

#### PIPES

All water pipe steel.

#### HEATING

Gas—Forced air circulating unit, by Payne Furnace & Supply Co.
Piping—Steel

Hot water heater—Automatic storage insulated tank, Superbo Mfg. Co.

#### AIR CONDITIONING

None.

#### CHIMNEY

Fireplaces.

Facings—Brick same as exterior veneer.

Hearths—Quarry tile (Alhambra Kiln). Mantels—Wood.

Damper-None.

#### HARDWARE

Interior—locks and knobs by Schlage Lock Co., hinges, Rixon Olive Knuckle Hinges.

#### WINDOW DRESSING

Venetian Blinds—National Venetian Blind Co.

Roller Screens—Inviso Disappearing Roller Screen Co.

#### SPECIAL EQUIPMENT

Radio-Patterson.

Garage Door—Operated by Varnum Door Engine.

## COTTAGE AT BEDFORD, NEW YORK



John A. Davis Photos

THE unusually steep slope of the site permits entrance from the ground at three levels, and makes it possible to incorporate the garage economically in the basement. The retaining walls and steps to the terraces are substantially built of fieldstone. The walls of the house are covered with cedar shingles. The roof is also shingled. The design adapts itself well to a difficult site. This type of house, characteristic of this part of New York, is far more spacious inside than the exterior appearance suggests. Cost: Approximately \$12,000.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls-rubble stone. Cellar floor-cement.

Waterproofing - Integral, drained by porous fill.

underfloor

FRAME CONSTRUCTION Spruce.

MASONRY CONSTRUCTION Walls-local rubble stone.

EXTERIOR SURFACE

Wood shingles—composition paper under.

Wood shingles on shingle lath.

Valleys Gutters Copper. Flashing

Down spouts

Salt glazed tile drains-to dry wells.

DOOR AND WINDOW FRAMES

Sash and frames

Double hung and casement-white

Doors and frames (exterior)-pine. Garage doors-white pine, hinged.

PORCHES Fir.

GLASS

Double thick-American Window Glass Co.

EXTERIOR PAINT

Siding Trim lead and oil, 3 coats.

Sash LATH AND PLASTERING

Lathing.

Metal-Toncan metal throughout. Plastering-3 coats, hard white plaster finish.

INTERIOR WOODWORK

Floors-soft pine.

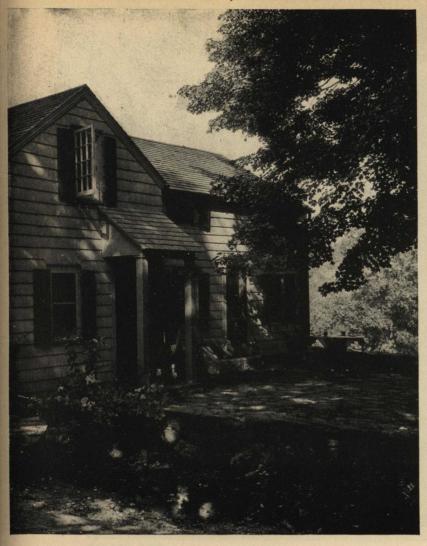
Trim-white pine.

Shelving and cabinets-white pine.

INTERIOR FINISHES

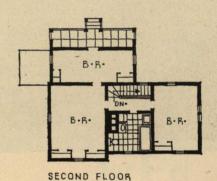
Floors-painted gray. Trim-painted white.

## JOHN C. B. MOORE, ARCHITECT





LIVING ROOM



SCALE IN FEET

PLAN: The plan is compact and efficient, and displays an easy, logical sequence of communication throughout. The direct entrance to the living room is probably more used than the main entrance to the dining room. Maid's room and kitchen have windows under a sleeping porch accessible from the ground.

Doors-painted green exterior, white in-

Sash-painted white.

Wallpaper—papered throughout.

WIRING

Cable-BX.

Electrical fixtures - specially designed

brass.

Switches-toggle type.

LIGHTING

Direct.

PLUMBING

Kitchen Sink-enameled iron.

> Stove-container gas. Refrigerator—General Electric.

BATHROOM

Fixtures-enameled iron, Standard Sani-

tary Mfg. Co.

Bath tubs-enameled iron.

Seats-white Church.

Floor-linoleum.

PIPES

Brass.

Cast iron wastes.

HEATING

Coal-hot air.

Hot water heater-coal.

CHIMNEY

Fireplaces

FIRST FLOOR

Facings

Hearths common brick.

Damper-Covert old style B.

HARDWARE

Interior and exterior-brass, Yale &

Towne.

SCREENS

Wood frames.

WINDOW DRESSING Curtains only.

## 85. HOUSE FOR B. R. WOOD, SHAKER HEIGHTS



Carl F. Waite Photos

The growing favor with which the Regency phase of Georgian domestic architecture has been received denotes its affinity with the modern trend. This house displays a generally good Regency exterior. The front elevation has distinct individuality and poise. The windows are excellently proportioned and the fenestration and frieze nicely balanced. Cost, including architect's fee, \$11,880. Cubage, 36,200 at 32½ cents per cubic foot.

### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls-Haydite.

Columns-brick.

Cellar floor—cement colored. Coloring by Master Builders, Inc., Cleveland, Ohio. Waterproofing—Toch Bros., Inc.

#### FRAME CONSTRUCTION

Sills
Floor Joists yellow pine.

Studding

Plate Douglas fir.

Rafters

Bridging yellow pine.
Ties

#### EXTERIOR SURFACE

Brick veneer—Cleveland "Rustics" by Cleveland Builders Supply Co.

#### ROO

Wood shingles on shingle lath—Perma-Stain.

Gutters
Down spouts
Toncan metal.

Flashing—zinc, New Jersey Zinc Co. Salt glazed tile drains.

Composition sheathing paper—Sisalkraft.

#### DOOR AND WINDOW FRAMES

Sash and frames

Double hung—white pine, Babin Sash and Door Co., Cleveland, Ohio.

Doors and frames (exterior)—white pine, Babin Sash and Door Co., Cleveland, Ohio.

#### PORCHES

Reenforced concrete—colored finish by Master Builders Co., Cleveland.

#### GLASS

Flat drawn sheet glass, Libbey-Owens-Ford Glass Co.

#### EXTERIOR PAINT

Trim Sash 3 coats lead and oil, Sherwin-Williams Paint Co., Cleveland, Ohio.

#### LATH AND PLASTERING

L'athing—composition plaster base, Rocklath on all walls and ceiling of first floor. Temlock ceiling on second floor.

### INTERIOR WOODWORK

Trim-gumwood.

Floors-select white oak.

Painted surfaces—yellow pine, garage and

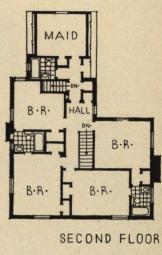
Shelving and cabinets—yellow pine.

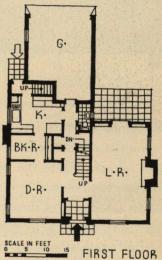
Stock millwork—Babin Sash and Door Co., Cleveland, Ohio.

## OHIO, MAXWELL A. NORCROSS, ARCHITECT



PLAN: The injection of a breakfast room into the plan cuts down the area of a dining room that might have been more satisfying without the partition. On the second floor the backstairs cut into a good rear bedroom. When a bath serves two rooms, it is better entered by a door from outside rather than from the rooms it serves.





#### INSULATING

Attic floor-1" Temlock entire second floor ceiling by Armstrong Cork and Insulation Co.

Weatherstripping-Knight Interlocking, Barland Knight Co., Cleveland, Ohio.

#### INTERIOR FINISHES

Floors-Minwax.

Trim

Doors enameled.

Walls-papered, Sanitas in bathrooms

and kitchen.

#### WIRING

Cable-knob and tube.

Electrical fixtures—Enterprise Electric Co., Cleveland.

LIGHTING

Direct.

#### PLUMBING

Kitchen

Sink-flat rim with rubber on counters, Standard Sanitary Mfg. Co. Refrigerator—Frigidaire.

#### BATHROOM

Fixtures-chromium plated.

Cabinets-Miami Cabinet Co.

Cabinets—Witaniii

Bathtubs—Pembroke
Toilets—Compact

Standard Sanitary
Mfg. Co.

Seats-Ivorite Showers-at tubs, self cleaning.

Tile-glazed wainscot, Romany Tile Co. PIPES

Wrought iron-"Toneau," Republic Steel Co.

HEATING AND AIR CONDITIONING Gas-fired Fox Furnace, American Radiator Co. central system.

Thermostat-Minneapolis-Honeywell Regulator Co.

#### CHIMNEY

Fireplaces

Facings-living room, black marble. Recreation room, brick.

Hearths-living room, black marble. Recreation room, stone.

Mantels-gum in living room, pine in recreation room.

Damper-Donley Bros.

#### HARDWARE

Interior and exterior-solid bronze. Schlage Lock Co.

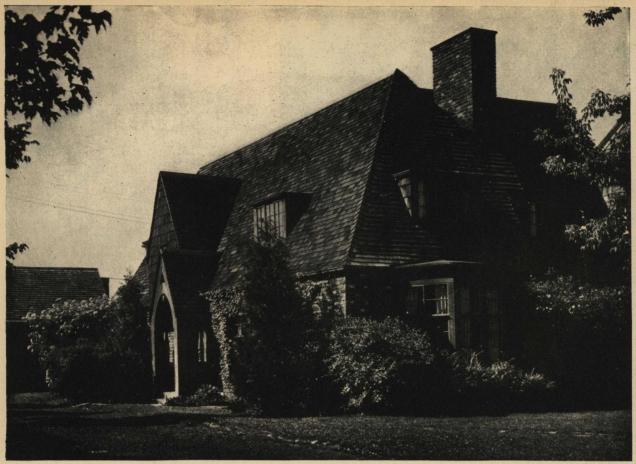
#### SCREENS

Wood frames, copper mesh.

#### WINDOW DRESSING

Venetian blinds

## 86. HOUSE FOR HAROLD B. TYREE, GROSSE POINTE



Astleford Photos

This pleasant little house might have been transplanted from one of the southern counties of England. With walls of red brick and a shingled roof, the treatment unmistakably belongs to the "picturesque cottage" school. While the dormers somewhat break the repose of the roof—and peacefulness in roofs of this type is presumably valued—they are not so large as to be obtrusive. One danger with houses of romantic mode is that the occupants, in their fervor, often smother them with herbaceous planting. In this case, there seems a likelihood of luxuriant growths obscuring light that ought to enter the windows. The internal convenience of an otherwise adequate plan would be increased were the space now devoted to kitchen and pantry together given wholly to the kitchen. Cost, \$13,500. Cubage, 25,000 at 54 cents per cubic foot.

#### CONSTRUCTION OUTLINE

```
FOUNDATION
   Walls
   Columns common brick.
  Cellar floor-Wabash Portland cement.
   Waterproofing-R.I.W. by Toch Bros., Inc.
FRAME CONSTRUCTION
  No. 1 and better Southern pine.
EXTERIOR SURFACE
   Brick veneer-reclaimed common brick.
   Shingles-creosote stained.
ROOF
   Wood shingles on shingle lath-creosote
     stained.
   Valleys
   Gutters
                copper.
  Flashing
  Down spouts
```

```
DOOR AND WINDOW FRAMES
Sash and frames
Steel sash—"Fenwrought," Detroit
Steel Products Co.
Doors and frames (exterior)—wood, Detroit Lumber Co.
Garage doors—overhead, Detroit Steel
Products Co.

PORCHES
Paving slabs.

GLASS
Double strength, quality A, Libbey-Owens-Ford Glass Co.
```

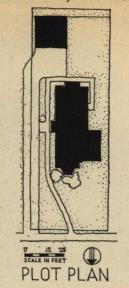
EXTERIOR PAINT

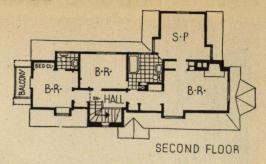
Shingles-creosote stained.

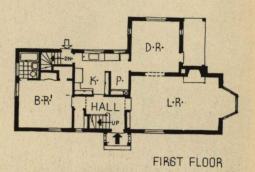
```
Trim
Priming—stain.
Finish coat—oil.
Sash
Priming | lead and oil.
LATH AND PLASTERING
Lathing
Composition plaster base—U. S. Gypsum Rocklath.
Plastering
Patent plaster—U. S. Gypsum hardwall.
Finishing coat—sand and putty.
INTERIOR WOODWORK
Trim—gumwood.
Floors—oak.
```

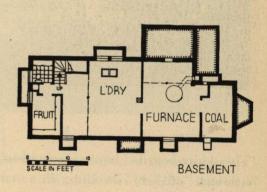
## MICHIGAN, D. ALLEN WRIGHT, ARCHITECT











PLAN: There is no waste of space in this compact plan, and there can be no complaint on the score of circulation on the ground floor. Access from kitchen to both front door and dining room is particularly convenient. Upstairs, it is unfortunate that one must pass either through a bathroom or a bedroom to reach the sleeping porch over the dining room.



ENTRANCE HALL

Shelving and cabinets-Detroit Lumber Co.

INSULATING

Outside walls | Flaxlinum Insulating Co., Roof rafters New York. Weatherstripping - Chamberlin Metal Weatherstrip Co. for doors.

INTERIOR FINISHES

Floors-stain, varnish and wax, Berry Bros. Trim Doors stain and paint.

Sash-oil paint. Walls-painted and papered. WIRING Cable-BX.

Switches-Hart & Hegeman tumbler.

LIGHTING Direct.

PLUMBING

Kitchen

Sink-double drain enameled iron, Standard Sanitary Mfg. Co. Stove-gas, Detroit Stove Co. Refrigerator-Kelvinator.

BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Bath tubs }
Toilets } Standard Sanitary, built-in. Seats-Church Mfg. Co. Tile-American Encaustic Tile Co.

Wrought iron-A. M. Byers Co.

HEATING

Oil-Silent Automatic oil burner. Thermostat and regulators-Minneapolis-Honeywell Regulator Co.

CHIMNEY

Fireplaces

Facings brick. Hearths

HARDWARE

Interior and exterior-bronze, Yale & Towne Mfg. Co.

## 87. HOUSE FOR P. H. SOUTHWORTH, WEST HARTFORD



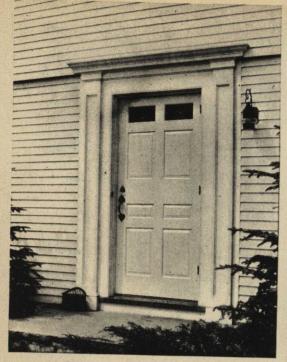
This white-boarded house is something more than merely a well-executed reproduction of the familiar old Connecticut "salt-box" dwelling. As a matter of fact, its exterior is an exact replica of an old house in South Windsor. Inside, however, it displays the revolutionary change wrought by the introduction of central heating, bathrooms and electric cooking. The living room and dining room walls have dadoes formed of three widths of horizontal matched boarding, beaded at the joints, with a cap at window sill height. The inside of the open corner cupboard in the dining room is painted a robin's-egg blue; the remainder of the trim in the house is enameled a light putty color. There is full insulation with rock wool and the house is heated by an air conditioning system. At the rear of the upstairs hall there is enough space for another bath to be eventually installed. Cost, including architect's fee, \$10,600. Cubage, 33,540 at  $31\frac{1}{2}$  cents per cubic foot.

#### CONSTRUCTION OUTLINE

FOUNDATION Walls-concrete, 1-3-5 mixture. Columns-4 in. lally. Cellar floor-concrete, 1-2-4 mixture. Waterproofing-1 coat of hot asphalt on outside of wall. FRAME CONSTRUCTION Girders-8" steel I-beams. EXTERIOR SURFACE Clapboards-6 in, red cedar, 4 in, to the weather. Wood shingles on shingle lath-18 in. perfection red cedar. Valleys Gutters 16 oz. copper. Flashing Down spouts-2 x 3 in., 16 oz. copper.

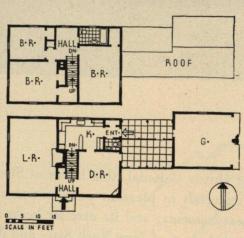
DOOR AND WINDOW FRAMES EXTERIOR PAINT Siding Dutch Boy white lead, National Sash and frames Double hung-stock white pine with Lead Co. Unique sash balance, Unique Sash Sash LATH AND PLASTERING Balance Co. Lathing Steel sash-in basement, Detroit Steel Products Co. Metal for ceilings, Z-Rib, U. S. Gypsum Co. Doors and frames (exterior)-white pine, Wood on all walls. Curtis Companies, Inc. Plastering Garage doors-white pine by Curtis. Patent plaster-wood fiber plaster, U. S. Gypsum Co. Finishing coat—red top trowel finish, PORCHES U. S. Gypsum Co. Flagstone laid loose on fill. INTERIOR WOODWORK Floors-clear white oak. Painted surfaces-white pine. Shelving and cabinets-white pine. GLASS "A" quality Pennvernon, Pittsburgh Plate Stock millwork-mantel, stairs and cor-Glass Co. ner cupboard, Curtis Companies, Inc.

# CONNECTICUT, KEITH SELLERS HEINE, ARCHITECT









PLAN: The plan is good. It is valuable for comparison with the old central-chimney type of plan, in use before the advent of modern equipment and mechanical facilities to lighten household labor.

#### INSULATING

Outside walls 4 in. Capitol Rockwool, The Standard Lime & Attic floor Stone Co.

Weatherstripping—Chamberlin.

INTERIOR FINISHES

Floors-I coat stain filler, 2 coats Johnson's floor wax.

Trim 1 coat white lead and oil, 2 coats
Doors Vitralite enamel undercoat-Vitralite enamel undercoating, 1 coat Vitralite enamel. Walls-bath, lavatory and kitchen sized and painted 2 coats.

Wallpaper-Birge wallpaper in all other rooms.

WIRING

Cable-BX.

Electrical fixtures-hand wrought, Tull Bros., Hartford, Conn. Switches—Bakelite plates.

LIGHTING

Direct.

PLUMBING

Kitchen.

Sink-enameled iron, Standard Sanitary Mfg. Co. Stove-electric, by owner.

Refrigerator-General Electric.

BATHROOM

Cabinets-metal, venetian mirror. Bath tubs-recessed type, enameled iron, built-in, Standard.

Toilets-syphon action, Standard.

Seats-Church Mfg. Co. Showers-over tub, Standard.

Showe.
Wainscot tile. Shower curtains-white duck, Standard.

Brass for hot and cold water. HEATING AND AIR CONDITIONING

Gar Wood air conditioning and heating unit, oil fired, thermostat and regulators.

CHIMNEY

Fireplaces

Facings hard burned sand mold Hearths common brick. Damper-new style, H. W. Covert.

HARDWARE

Interior } hand wrought iron, Tull Bros. Exterior } Hartford, Conn.

SCREENS

Full length bronze screening in wood

#### HOUSE FOR DR. PAUL G. RICHARDS, N. TARRYTOWN 88.



A modern interpretation of Dutch Colonial, this house at Sleepy Hollow Manor faithfully perpetuates the tradition. It makes use of materials in pleasant combinations; it discloses an interior surprisingly roomy for the modest external measurements; and its exterior bears that aspect of sturdy unadorned solidity that was common to the old Dutch houses of New York State and North Jersey. Though the house appears small from the outside, it contains seven rooms and three baths, all of good dimension. The cast sandstone of the lower story closely resembles the brown sandstone ashlar of northern New Jersey. Air conditioning, sun decks and all modern appointments are included. Cost: Approximately \$12,500.

### CONSTRUCTION OUTLINE

FOUNDATION

Columns concrete block.

Cellar floor-concrete.

Waterproofing-asphalt on walls, waterproof fabric at sill line.

MASONRY CONSTRUCTION

Concrete block, 1st story, integrally colored.

FRAME CONSTRUCTION

Spruce.

EXTERIOR SURFACE Clapboards-2nd story.

ROOF

Wood shingles on shingle lath.

Gutters copper. Flashing Down spouts

Roof decks-canvas.

DOOR AND WINDOW FRAMES Sash and frames-double hung, wood. Doors and frames (exterior)-wood. Garage doors-wood, sliding.

PORCHES

Columns-concrete block. Floor-bluestone.

EXTERIOR PAINT Shingles-no finish.

lead and oil paint. Trim Sash

LATH AND PLASTERING

Lathing-metal, galvanized Truscon. Plastering-2 coat Job, white finish, special finish in living room, dining room and hall.

INTERIOR WOODWORK

Trim-pine.

Floors-oak.

Stainwoods-pine wainscot in living room, vertical pine boarding in hall.

Painted surfaces-pine.

Shelving and cabinets-pine.

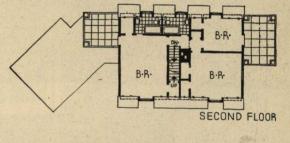
Stock millwork-doors and cabinets, pine.

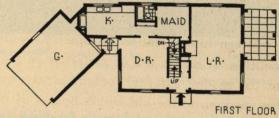
# NEW YORK, HARVEY STEVENSON AND EASTMAN STUDDS, ARCHITECTS

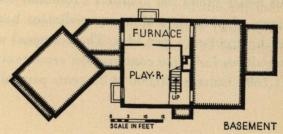




Imandt Photo







PLAN: Following in the main a rather conventional arrangement of the downstairs-plan of the small house, in this case the architect has departed from it to the extent of thrusting out the kitchen at one side, thereby gaining a maid's room and bath at the rear. This position of the maid's room and bath is economically convenient for placing the two upstairs bathrooms side by side, an arrangement that fits in suitably with the plan of the bedroom floor.

INSULATING
Outside walls
Roof rafters
INTERIOR FINISHES
Floors—filled, stained and waxed.

Sash | lead and oil paint.

Walls |
Wallpaper—all rooms except kitchen, hall, pantry.

WIRING

Doors

Cable—BX.
Electrical fixtures—by owner.
Switches—toggle type, Hubbell, Inc.

LIGHTING
Direct and indirect.

PLUMBING
Kitchen
Sink—by owner.
Cabinet—pine to architect's details.
Stove
Refrigerator
Washing machine
Floor—linoleum.

BATHROOM
Fixtures—Crane Co.
Cabinets—by owner.
Bath tubs

Crane Co.

Toilets

Seats

Tile—American Encaustic Tile.
Composition tile—service bath.
PIPES
Brass and Copper.
HEATING AND AIR CONDITIONING
Oil—Robeson Engineering Corp.
CHIMNEY
Fireplaces.
Facings tile.
Hearths Mantels—pine to detail.
Damper—H. W. Covert Co.
HARDWARE
Interior and exterior—Reading Iron Co.
SCREENS
Copper, wood frames.

## 89. HOUSE FOR JOSEPH WURSTNER, CLEVELAND



Ernest Graham Photos

This house shows the architect's fondness for handling Colonial precedent in an individual way. The narrow clapboards and heavy pediment have an early 19th Century atmosphere but the fieldstone was the architect's own idea. The octagonal window vents the first floor lavatory. The very good L-shaped plan allows for three comfortable, cross-ventilated bedrooms with easy access to the bathrooms. Cost: \$11,160. Cubage: 30,000 at 37 cents per cubic foot.

### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls—Tile by Cleveland Builders Supply Co.

Cellar floor—Portland Cement.
Waterproofing—R. I. W. Marine cement
by Toch Bros.

FRAME CONSTRUCTION
Norway yellow pine throughout.

MASONRY CONSTRUCTION
Stone walls—Cleveland Quarries sandstone.

EXTERIOR SURFACE
Clapboards—Idaho White Pine.

#### ROOF

Wood shingles on shingle lath—Permastain.

Valleys

Gutters

Down spouts

Composition sheathing paper—Sisalkraft.

#### DOOR AND WINDOW FRAMES

Frames-Idaho White Pine.

Steel sash—Crittall's Stanwin Casements.

Doors and frames (exterior)—Idaho
White Pine.

Garage doors-Overhead Door Corp.

#### GLASS

Pennvernon Grade A dougle strength.

#### EXTERIOR PAINT

Siding, trim, and sash—Lead and oil priming, Cabot's double white for finish coat.

#### LATH AND PLASTERING

Lathing—Composition plaster base of Rocklath by U. S. Gypsum Co.

Plastering—U. S. Gypsum Co. "Red Top" patent plaster, finishing coat of hydrated finishing lime by U. S. Gypsum

#### INTERIOR WOODWORK

Trim and floors—Hardwood of Appalachian Oak, Stainwoods knotty white pine. Painted surfaces of poplar. Shelving and cabinets—poplar.

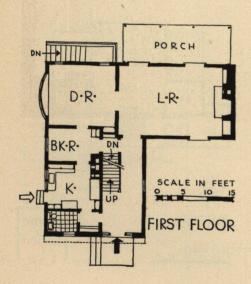
## OHIO, JOHN SHERWOOD KELLY, ARCHITECT

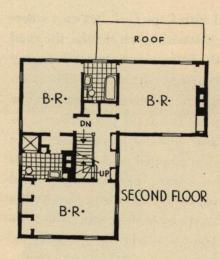


LIVING ROOM



ENTRANCE HALL





PLAN: The kitchen is excellently placed in relation to both front and service entrances. The unusual long hall provides a fitting reception to the spacious living room beyond. The breakfast room is also unusual in that it can be reached without going through the dining room.

INSULATING

Outside walls Johns-Manville rock wool. Attic floor

Weatherstripping - Monarch Metal Weatherstrip Co.

INTERIOR FINISHES

Floors-Silicate paste filler. Black stain by Permatite.

Trim, doors, sash-enamel finish.

WIRING

Cable by Brown & Sharpe. Switches-Tumbler type.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-"Inco" by International Nickel Co.

BATHROOM

Fixtures-Kohler.

Cabinets-Corcoran.

Bathtubs-Kohler.

Toilets-Kohler.

Showers-Speakman. Tile-Continental Faience & Tile Co.

PIPES

Chase brass and Byers' wrought iron.

HEATING

Coal-Lennox boilers. Stream water heater.

AIR CONDITIONING

Central.

CHIMNEY

Fireplaces—facings and hearths of Cleveland Builders' Supply rustic brick, Poplar mantels, Donley Poker damper.

HARDWARE

Interior-Midland Hardware Co.

SCREENS

Metal frame.

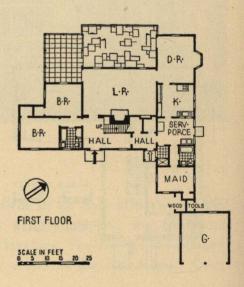
#### HOUSE FOR JOHN D. CRANE, MANTOLOKING 90.



VIEW FROM ROAD WITH ENTRANCE

Gustav Anderson Photos

This house recalls the type associated with Cape Cod, but on a somewhat larger scale. Screened by a plantation of beach shrubs, the road front faces east or northeast and gets the full morning sun. Silver gray shingles, white trim for definition, and green shutters for deeper accent, with the masses of glossy foliage in the dooryard, combine to give a crisp, sparkling character. On the other front, the living room windows command a long view down and across Barnegat Bay. The fireplace wall of the living room is pine paneled in early American manner; the stair hall is finished with vertical pine boarding, molded along the joints. In addition to the usual bathrooms the plan provides an accessible shower where one can shed wet bathing suits and have a fresh water bath without tracking water and sand through the house. Cost: \$13,475. Cubage: 35,000 at  $38\frac{1}{2}$  cents per cubic foot.



### CONSTRUCTION OUTLINE

FOUNDATION

Walls-concrete on cedar piling. Columns-cement block.

FRAME CONSTRUCTION Wood.

EXTERIOR SURFACE Shingles-hand-split cypress.

Wood shingles on shingle lath.

Valleys Flashing

Down spouts

Gutters-wood.

Composition sheathing paper—Sisalkraft.

DOOR AND WINDOW FRAMES

Sashes and frames-double hung. Doors and frames (exterior) } pine.

PORCHES

Flagstone on reenforced concrete slab.

GLASS

Pennvernon flat glass, Pittsburgh Plate

EXTERIOR PAINT

Garage doors

Shingles-dipped and brush stained.

Sash Atlantic white lead.

LATH AND PLASTERING Lathing

Metal-on ceilings.

Composition plaster base-Insulite on walls.

Plastering

Patent plaster-U. S. Gypsum.

Finishing coat—Tiger lime, except living room-sand finish.

INTERIOR WOODWORK

Floor-oak.

Trim-white pine.

Stainwoods-living room, dining room and hall.

Painted surfaces—balance of house.

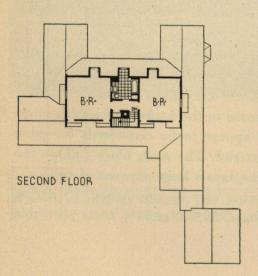
INSULATING

Outside walls and 2nd floor ceiling-rock wool.

# NEW JERSEY, KENNETH W. DALZELL, ARCHITECT



VIEW FROM BEACH SIDE





LIVING ROOM

### INTERIOR FINISHES

Floors-wax.

Trim-stain and paint.

Doors | oil paint.

Walls-oil paint, living room, kitchen,

baths, maid's room.

Wallpaper-dining room and bedrooms.

#### WIRING

Cable-BX.

Electrical fixtures—bronze.

Switches-General Electric.

#### LIGHTING

Direct.

#### PLUMBING

Kitchen

Sink-Standard Sanitary Mfg. Co.

Cabinet—to detail.

Stove.

Refrigerator.

Washing machine.

Floor-linoleum.

#### BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Tile floor,

#### PIPES

Brass.

#### HEATING

None.

#### CHIMNEY

Fireplaces

Facings—tile. Hearths—brick.

Mantels-wood.

Built-in fireplaces-Heatilator.

#### HARDWARE

Interior-bronze.

Exterior-bronze, black finish.

#### SCREENS

Copper.

#### WINDOW DRESSING

Shades.

Awnings. Blinds.

## 91. COPPER HOUSE, EDGEMOOR, MARYLAND



This demonstration house was built by Copper Houses, Inc., to show what could be done with copper as a building material. Of copper, steel and concrete construction, it is fire-resisting; the use of wood is confined to rafters, sheathing, trim and floor surfaces. The lower-story walls are vertical sheets of copper, stiffened and sound-insulated by composition boards cemented to the backs; these walls afterwards painted. Roofs are covered with standing-seam copper; what appear to be clapboards on gable ends and elsewhere are copper. Strong individuality marks the exterior. The main block follows the Maryland tradition of steeply pitched gambrels (and incidentally displays a large expanse of copper); the wings are challenging. The merit of the veranda-sleeping porch wing may be questioned, its daring quality cannot be denied. Cost, including architect's fee, \$13,500. Cubage, 39,000 at  $34\frac{1}{2}$  cents per cubic foot.

### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls-concrete block.

Cellar floor-concrete.

Waterproofing-2 coats of hot pitch tar.

#### FRAME CONSTRUCTION

First story—structural steel, 4" channel studs 2'-8" on center, bolted or welded to steel sill and fastened on top with 4" steel channel; horizontal and diagonal bracing with 1½" angles.

Floor joists of 1st and 2nd floor—Truscon open-truss.

Sub-flooring-Gypsteel floor planks.

Second story and roof—sloping upwards and rafters, wood.

#### EXTERIOR SURFACE

Walls—48 oz. copper plates applied to steel studs by special bronze extruded shape. Copper is backed with ½" Celotex Truscon metal lath and plaster applied to inside face of steel (on cushion strip of Celotex to prevent condensation).

Clapboards-copper at gable ends.

#### ROOF

Copper roof—16 oz. standing seam, Chase Brass & Copper Co.

Gutters
Flashing
Down spouts

Chase Brass & Copper
Co.

#### DOOR AND WINDOW FRAMES

4" steel frames around doors and win-

Steel sash—Truscon Steel Co. Exterior doors—wood.

#### PORCHES

Floor—reenforced concrete.

GLASS

Libbey-Owens-Ford Glass Co. EXTERIOR PAINT

Conner )

Copper Trim Sash

LATH AND PLASTERING

Inside of exterior walls and interior partitions

Lathing—metal, Truscon Steel Co. Plastering—3 coats.

#### INTERIOR WOODWORK

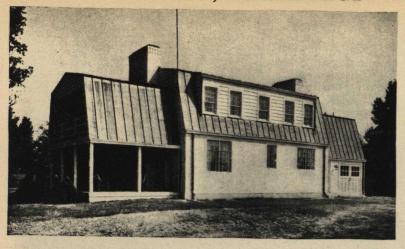
Floors—white oak applied in mastic to the Gypsteel sub-flooring.

Shelving and cabinets-Oxford.

#### INSULATING

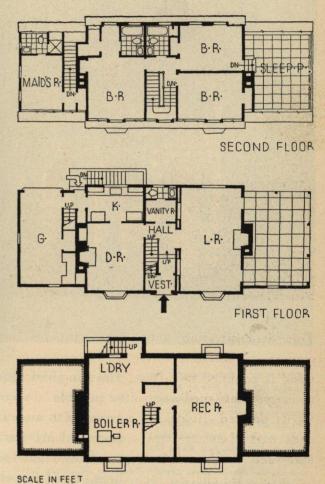
Outside walls \ 4" Red Top spun glass,
Roof rafters \ U. S. Gypsum Co.
Weatherstripping—Chase Brass & Copper Co.

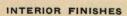
## JOHN J. WHELAN, ARCHITECT





PLAN: One excellent feature is the spacious recreation room with fireplace in the basement. The maid's room and bath above the garage, reached by the service stairway, are completely shut off from the family sleeping quarters. Besides central heating, all mechanical equipment is of recent type.





Trim Doors Du Pont. Sash Walls

Wallpaper-W. & J. Sloane.

Cable-concealed BX. Electrical fixtures | Chase Brass & Cop-

Switches per Co.

#### LIGHTING

Direct.

#### PLUMBING

Kitchen

Sink-Standard Sanitary Mfg. Co. Stove-General Electric Co. Refrigerator-Frigidaire Division of General Motors Corp.

#### BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Fittings-Chase Brass & Copper Co.

#### PIPES

Copper water tube and sweat fittings by Chase Brass & Copper Co.

#### HEATING

In service rooms, kitchen and bathrooms -gas.

Boilers-General Electric. Radiators-copper con-

cealed convectors Piping-copper tube and sweat fittings Chase Brass & Copper Co.

Hot water heater-Ruud

Thermostat — Humidistat, Minneapolis-Honeywell Regulator Co.

#### AIR CONDITIONING

Central system by Westinghouse, 21/2 ton capacity.

BASEMENT

#### CHIMNEY

Fireplaces

Facings-copper in recreation room. Hearths-slate. Mantels—special Caen stone and wood. Damper—H. W. Covert.

#### HARDWARE

Interior and exterior - brass, Yale & Towne Mfg. Co.

#### SCREENS

Bronze wire mesh by Chase Brass & Copper Co.

#### WINDOW DRESSING

Venetian blinds-W. & J. Sloane.

## 92. HOUSE FOR FRANK R. COOK, MINNEAPOLIS



PROBLEM: Adequately to house a family of five on a sloping lot 58 x 135 ft. A recreation room was desired. The house was faced east on the street, a stone retaining wall was built 15 ft. to the rear and along the north side. This permitted a two level lawn and garden treatment of the rear.

The two chief requirements were to house a family of five comfortably and to provide a recreation room, besides the other usual essentials. The plan arranged to meet the needs of the case, the outward expression of style was a matter of arbitrary choice. Since there was no structural occasion for the overhang—such as there once was—its presence is a concession to precedent. The front elevation has balance and is well proportioned. The garage is detached, and put at the rear of the lot. Cost of house, excluding garage, \$13,050. Cubage, 33,425, at 39 cents per cubic foot.

#### CONSTRUCTION OUTLINE

#### FOUNDATION

Walls-concrete block.

Cellar floor—cement, asphalt tile over cement in recreation room, Thomas Molding Co.

Waterproofing—½" coating of Portland cement (1 part) and sand (2 parts) with 5 per cent hydrated lime added, applied outside of foundation wall.

#### FRAME CONSTRUCTION

Fir

#### EXTERIOR SURFACE

Shingles—red cedar, 24" Royals, Edham Co.

#### ROOF

Wood shingles on shingle lath—16" red cedar, Edham Co.

Valleys | tin, Taylor's "Target & Arrow"

Gutters | galvanized iron, Central | Down spouts | Alloy Steel Co.

#### DOOR AND WINDOW FRAMES

Sash and frames

Double hung Northern white pine by Casement local mill

Doors and frames (exterior)—Northern white pine.

Garage doors—McKee Door Co., Chicago.

#### Flat drawn glass, Libbey-Owens-Ford Glass Co. EXTERIOR PAINT

Shingles

Dipped—side wall shingles factory dipped, Edham Co.

Brush stained—side wall shingles brush coated, 1 coat Cabot's double white. Oil stain—roof shingles.

Trim Sash lead and oil paint.

LATH AND PLASTERING

#### Lathing

Metal—boiler room ceiling "Bi-flax"—
outside walls and second story
ceiling.

Wood-white pine-interior partitions.

Plastering

Finishing coat—"Tiger" lime.

INTERIOR WOODWORK

Trim-birch.

Floors-white oak.

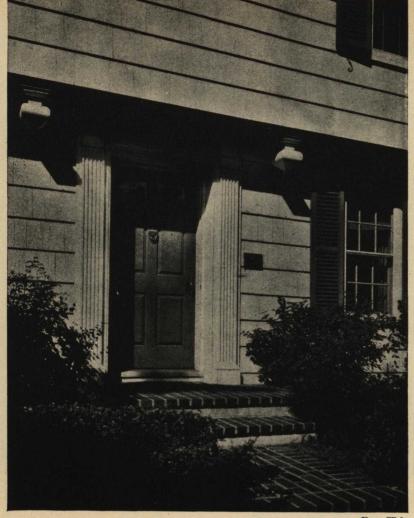
Painted surfaces

Shelving and cabinets birch

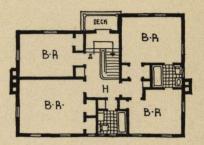
Stock millwork

INSULATING
Outside walls—½" thick "Bi-Flax," Flaxlinum Co.

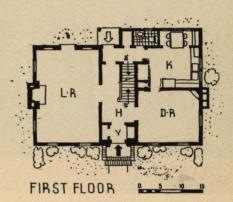
## MINNESOTA, ROLLIN C. CHAPIN, ARCHITECT



Henry Elleby



SECOND FLOOR



PLAN: The recreation room is in the basement under the living room, is equipped with a fireplace, and occupies that part not required by the heating plant and laundry. There are coat closets on each side of the vestibule. The kitchen has a well-lighted dining alcove. On both floors there is good closet provision and all rooms have cross

Second story ceiling-1" thick "Bi-flax" Weatherstripping - Reese Weatherstrip Co.

#### INTERIOR FINISHES

Floors-varnish, Pratt and Lambert.

Doors O'Brien's enamel. Sash

Walls-O'Brien's enamel in kitchen and bathrooms.

Wallpaper-for all principal rooms.

#### WIRING

Electrical fixtures—local manufacture. Switches-Hart & Hegeman.

#### LIGHTING

Direct

#### PLUMBING

Kitchen

Sink-Crane Co.

Stove-"Universal"-Landers, Frary, and Clark.

Refrigerator-General Electric.

#### BATHROOM

Fixtures-Crane Co.

Cabinets-Morton.

Bath tubs-Crane Co.

Toilets-Crane Co.

Seats-Church Mfg. Co.

Showers-Crane Co.

Tile-matt glazed for walls, faience for floors.

#### PIPES

Steel

#### HEATING

Hubbard Oil Burner. Boilers-Capitol, U. S. Radiator Co.

Radiators-U. S. Radiator Co.

Piping-steel.

Valves-James P. Marsh Corp., Chicago. Hot water heater-electric, grey."

Thermostat and regulators-Minneapolis-Honeywell Regulator Co.

#### AIR CONDITIONING

Unit-Lewis Air Conditioner.

#### CHIMNEY

Fireplaces

Facings Hearths brick.

Mantels—birch.

Damper—Peerless Mfg. Co.

#### HARDWARE

Interior and exterior-Sargent.

#### SCREENS

Wood-mill-made.

#### WINDOW DRESSING

Blinds-pine, mill-made.

## 93. HOUSE FOR MARY A. WAESCHE, WYNCOTE

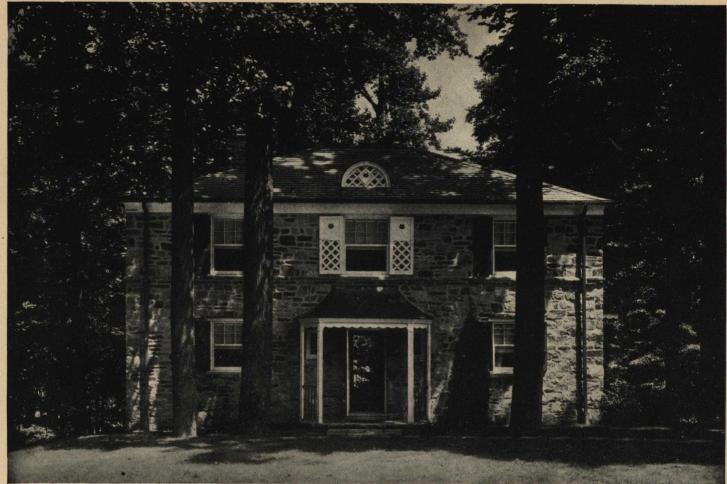


Photo-Illustrators

This house achieves consistency by being built of materials native to the neighborhood. The quality of the rubble masonry conveys a feeling of sincerity. Good proportions of mass and well-disposed fenestration gain a note of-accent from the belt course beneath the upper windows. Both privacy and pleasant outlook result from placing the living room and dining room at the back. Coat closet and lavatory are conveniently close to the front door, and between them is the door to a small study, quite shut off from the rest of the house; on the other side of the entrance is the kitchen with direct access to the front door. The steep slope made it possible to locate the garage in the basement, next to the laundry and heater room. Cost: \$10,000. Cubage, 26,000 at about 38½ cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION
Walls—stone.
Columns—Lally.
Cellar floor—cement.

MASONRY CONSTRUCTION
Common brick walls, garage only.
Stone walls—local stone, warm colors.

ROOF
Ambler Asbestos Shingle.
Valleys

Copper.

DOOR AND WINDOW FRAMES
Sash and frames.
Double hung—Curtis Silentile.
Doors and frames (exterior)—Curtis Companies, Inc.
Garage doors—Overhead.

PORCHES
Floors—old brick.

EXTERIOR PAINT
Trim
Priming
Finish coat.

White oil paint.

Sash
Priming
Finish coat
Shutters—green.

LATH AND PLASTERING
Lathing
Composition plaster base—U. S. Gypsum Red Top Rock Lath.
Plastering
Patent plaster—U. S. Gypsum Co.
Finishing coat—Tiger Finishing Lime.

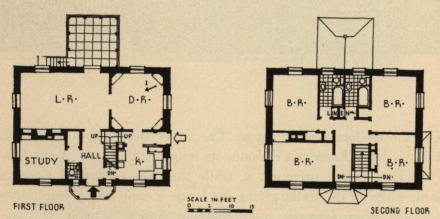
Gutters

Flashing

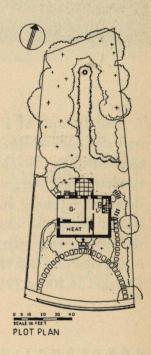
## PENNSYLVANIA, LLEWELLYN PRICE, ARCHITECT







PLAN: Every inch of space is well used. The backstairs problem is settled by a door from the pantry opening on the stair landing; one pair does duty for two. Every room has cross ventilation, and all bedrooms adequate closet space. There are good linen closets and a housemaid's closet besides.



#### INTERIOR WOODWORK

Trim and floors

Hardwood

Stainwoods Painted surfaces

Shelving and cabinets

Stock millwork

INTERIOR FINISHES

Wallpaper-Sanitas in kitchen, baths, liv-

ing room.

LIGHTING Direct.

PLUMBING

Kitchen.

Sink-Monel metal.

International Nickel Co.

BATHROOM

Fixtures—Hajoca Co.

Cabinets-Miami, Philip Carey Co.

Bath tubs

Toilets -Hajoca Co.

Showers Composition tile-linoleum wainscot.

Copper tubing.

HEATING

Oil.

AIR CONDITIONING

Central-Holland Furnace.

CHIMNEY

Fireplaces

**Facings** 

Marble.

Hearths Mantelsmade up of stock moldings.

Damper-Covert.

HARDWARE

Interior Sargent. Exterior

**Curtis Companies** 

Inc.

## 94. HOUSE AT SUMMIT, NEW JERSEY



A good example of a Colonial type house in the moderate price range. The above illustration shows how well this style of dwelling is adapted to the northern American climate; its long low lines are in excellent contrast to the sweeping verticals of the fine elms which surround it, while the dark accents of shutters, windows, and evergreens break up the blank white of the walls, giving the house a scale which emphasizes its air of intimacy and comfort. The low picket fence, formerly more common than it is today, is a successful device for conveying a sense of privacy, and, by its repetition of the material of the house, gives the entire composition a size and importance which would be otherwise lacking. An outstanding example of the vital part that setting and landscaping play in presenting any house to its best advantage. Cost: \$13,500. Cubage: 34,200 at 39½ cents per cubic foot.

## CONSTRUCTION OUTLINE

#### FOUNDATION

Walls—cement blocks.
Columns—Lally.
Cellar floor—cement.
Waterproofing—tar, 1 coat.

FRAME CONSTRUCTION Wood.

EXTERIOR SURFACE Shingles—Perfection.

ROOF

Wood shingles on shingle lath—Perfection.

Valleys
Gutters
Flashing
Down spouts

Copper by Chase Brass and Copper Co.

DOOR AND WINDOW FRAMES
Sash and frames—wood, double hung, by
Curtis.

Doors and frames (exterior)—Curtis.

PORCHES Flagstone.

GLASS

By Pittsburgh Plate Glass Co.

### EXTERIOR PAINT

Siding
Trim
Sash

3 coats lead and oil—
Dutch Boy.

#### LATH AND PLASTERING

athing—composition plaster base, Rock Lath by U. S. Gypsum Co. Plastering—U. S. Gypsum Co.

FLOORS

Minwax (2 coats).

INTERIOR WOODWORK
Trim—pine by Curtis.
Hardwood—red oak.

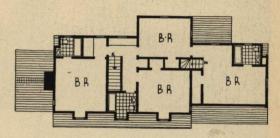
## WILLIAM M. PAREIS, ARCHITECT



ENTRANCE DOOR

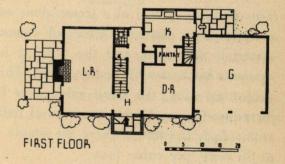


DETAIL, HALL



SECOND FLOOR

PLAN: Living room has been given ample space. In a house this size more direct access from kitchen or pantry to living room where tea or cocktails are served might be desirable. Maid's room large with access to rest of second floor through rear master bedroom.



#### INSULATING

Outside walls

Roof rafters Johns-Manville. Attic floor

Weatherstripping-Chamberlin.

INTERIOR FINISHES

3 coats lead and oil-Dutch Boy, National

Lead Co.

Wallpaper-Lloyds.

WIRING

Cable-BX.

Electrical fixtures—"Bronze Art."

LIGHTING

Direct.

#### PLUMBING

Kitchen.

Sink-Standard flat rim.

Cabinet-White House.

Stove-Gas.

Refrigerator—General Electric.

#### BATHROOM

Fixtures-Standard Sanitary Mfg. Co.

Cabinets-United.

Bath tubs-Pembroke.

Toilets-Devoro. Seats-Church.

Showers-Standard Sanitary Mfg. Co.

#### PIPES

Brass.

HEATING Oil-Williams.

Radiators Valves

Hot water heater

CHIMNEY

Fireplaces

Facings and hearths-brick.

Mantels-Curtis.

HARDWARE

Interior and exterior-Corbin.

#### HOUSE FOR CLARENCE E. RUBBERT, MINNEAPOLIS 95.



This house is typical of a tremendous amount of suburban building in the U.S. The ornamentation confined to a discreetly enriched doorway, the location of the building in relation to the street, the materials employed, and the type of landscaping-all these are familiar sights in suburban developments for homes of moderate cost. This house varies in that the facade has been broken by a slightly projecting wing; the small gable over the dressing room window is unusual, and was apparently introduced to establish a measure of balance with the gabled wing. The interiors are well carried out, particularly the study, where the simple vertical paneling is successful. Cost: \$14,500. Cubage, 41,046 at 35 cents per cubic foot.

#### CONSTRUCTION OUTLINE

FOUNDATION Walls-concrete block. Cellar floor-cement. Waterproofing-1/2" coating of Portland cement (1 part) and sand (2 parts) with 5 per cent hydrated lime added, applied outside of foundation wall. FRAME CONSTRUCTION EXTERIOR SURFACE Shingles-16" red cedar, Edham Co. Wood shingles on shingle lath-24" red valleys tin, Taylor's cedar, Edham Co.

Gutters Down spouts galvanized iron. DOOR AND WINDOW FRAMES Sash and frames Double hung ) Northern white pine by Casement local mill. Doors and frames (exterior) - same as windows. Garage doors-Overhead Door Co. PORCHES Reenforced concrete. Libbey-Owens-Ford Glass Co. EXTERIOR PAINT Shingles Dipped Brush stained Edham Co. stain.

Trim lead and oil paint. Sash LATH AND PLASTERING Lathing Wood-No. 1 white pine. **Plastering** Finishing coat-"Tiger" lime. INTERIOR WOODWORK Trim-birch. Floors-white oak. Painted surfaces Shelving and cabinets birch. Stock millwork INSULATING **Outside walls** "Spray-O-Flake." Attic floor Weatherstripping-Monarch Weatherstrip Co.

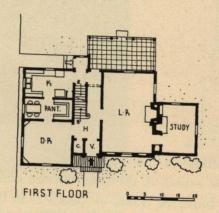
# MINNESOTA, ROLLIN C. CHAPIN, ARCHITECT

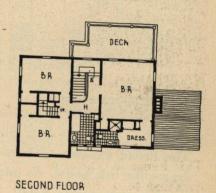






Graphic Arts





INTERIOR FINISHES

Floors-stain, shellac and wax.

Trim Doors Vitrolite enamel.

Sash

Walls-Vitrolite enamel kitchen and baths.

Wallpaper-all principal rooms.

Electrical fixtures—local manufacture. Switches-Hart and Hegeman.

LIGHTING

Indirect

### PLUMBING

Sink-"Ebco," Ebinger Mfg. Co.

Stove - Westinghouse Electric and Mfg. Co.

Refrigerator—Frigidaire.

#### BATHROOM

**Fixtures** Bath tubs

Toilets

Showers

Shower curtains

Seats-Church Mfg. Co. Tile-matt glazed wall tile, Faience Tile floors.

Crane Co.

#### PIPES

Steel

#### HEATING

Forced warm air plant with Marr Oil Burner.

Boilers-Waterman-Waterbury Furnace.

Hot water heater-gas, American Radiator Co.-"Hot-coil."

Thermostat and regulators-Minneapolis-Honeywell Regulator Co.

#### CHIMNEY

Fireplaces

Facings

Hearths brick.

Mantels-birch.

Damper-Peerless Mfg. Co.

#### HARDWARE

Interior and exterior-Sargent.

#### SCREENS

Pine, by local mill.

#### WINDOW DRESSING

Blinds-pine, by local mill.

#### HOUSE AT RANCHO, SANTA FE 96.



The broad expanse of lawn abutting on the clipped hedge against the parapet wall makes a sympathetic frame for this house. As might be expected, the interiors are simple and restrained and evince a nice feeling for appropriate detail. The louvered doors or jalousies in the living room, typical of warm or tropical climates, are practical and have decorative value. Cost: \$10,900.

#### CONSTRUCTION OUTLINE

FOUNDATION

Walls and piers-reenforced concrete.

Cellar floor-concrete.

Waterproofing-Anti-Hydro integral, exterior walls mopped with hot tar.

FRAME CONSTRUCTION

Douglas Fir.

Sills-redwood

EXTERIOR SURFACE

Stucco-3 coats cement plaster waterproofed and colored by "Bondex." Cement applied over 1" 17-gauge wire

ROOF

Wood shingles on shingle lath-5 in 2" "Perfects."

Gutters Flashing

galvanized iron, 26 gauge. Down spouts

DOOR AND WINDOW FRAMES

Sash and frames

Double hung-white pine.

Doors and frames (exterior)-white pine. Garage doors-white pine, sliding.

PORCHES

Brick floor-selected common.

GLASS

Libbey-Owens-Ford Glass Co.

EXTERIOR PAINT

Shingles-oil stained, Cabot.

Trim 3 coats lead and oil, Fuller.

LATH AND PLASTERING

Lathing

Composition plaster base-"Griplath" by Schumacker Wall Board Co., Los Angeles.

Plaster

Patent plaster-gypsum.

INTERIOR WOODWORK

Trim-knotty white pine in living room and dining room, vertical grained Douglas Fir balance of house.

# NEW MEXICO, WINCHTON RISLEY, ARCHITECT



MOTOR APPROACH AND GARAGE



LIVING TERRACE



LIVING ROOM

MOTOR YARD

PLAN: Service quarters in good relation to motor yard. If the size of yard indicates numerous guests, the yard to bedroom route for incoming and outgoing luggage seems unnecessarily roundabout. Kitchen, pantry, maid's, and dining room sequence convenient.

Floors-5%"x2" hardwood. Shelving and cabinets-white pine.

INSULATING None.

Weatherstripping-"Monarch."

INTERIOR FINISHES

Floors-stain, 2 coats shellac, 2 coats Johnson's floor wax.

Trim 4 coats lead and oil, W. P. Fuller Sash

Walls-baths, service porch and kitchen, 2 coats lead and oil, final coat "Fullerglo."

Wallpaper-balance of house.

WIRING

Cable-Sherarduct.

Electrical fixtures—especially designed. Switches-General Electric.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-Standard Sanitary.

BATHROOM

Fixtures-Standard Sanitary.

PIPES

Steel.

HEATING

Oil-Oil-O-Matic, Model K

Hot water heater-40 gal., "Everhot"

CHIMNEY

Fireplaces

Hearths selected common brick.

Mantels-knotty white pine.

Damper-Covert.

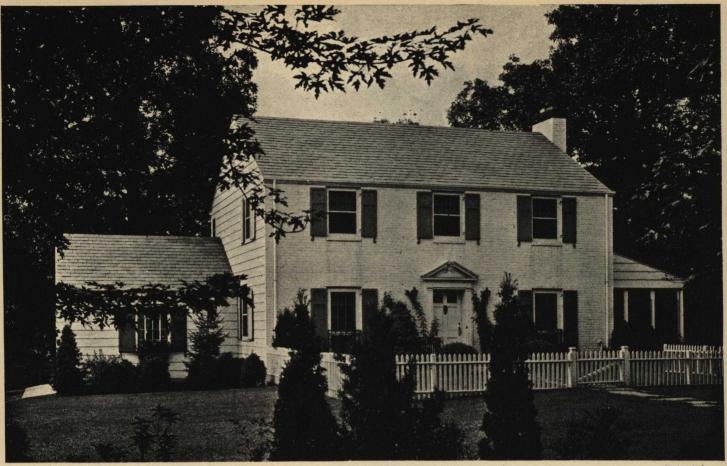
HARDWARE

Interior and exterior-Russwin.

SCREENS

Metal frame, bronze wire, special make.

## 97. HOUSE FOR K. O. KLAREN, SUMMIT, NEW JERSEY



Gustav Anderson

A familiar form of residence in the East, handled with taste and restraint. The use of brick veneer on the front, and wood on the ends and wings of the house produces an agreeable play of textures, while the white paint on both surfaces preserves the severe integrity of the form as a whole. The combination of the two materials as here employed also frankly reveals the front wall as a veneer rather than a solid masonry construction. The light-colored shutters give an effect as pleasant as it is unusual in residences of this type. A sense of privacy and richness is given by the picket fence, and it is a welcome division between the surrounding lawn and the more heavily planted area close to the house. Details are well handled, particularly the front door. Landscaping is excellent. Cost: \$13,150. Cubage: 36,000, at 36½ cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls—cement blocks.
Columns—Lally.
Cellar floor—cement.
Waterproofing—tar (1 coat).

FRAME CONSTRUCTION
Wood

MASONRY CONSTRUCTION
Common brick walls.
EXTERIOR SURFACE
Common brick—Sayre & Fisher Co.
Shingles—Perfection.

ROOF
Slate on sheathing—black.

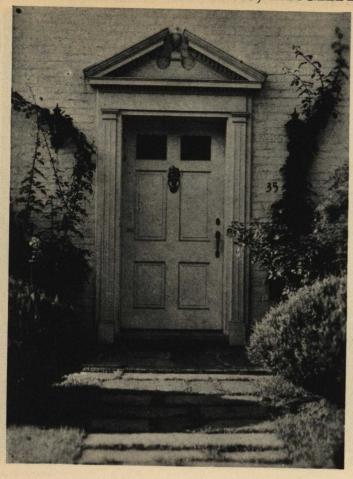
Valleys Copper-Chase Brass and Gutters Copper Co. Flashing Down spouts DOOR AND WINDOW FRAMES Sash and frames-double hung, Curtis. Doors and frames (exterior)-Curtis. Garage doors-Curtis. PORCHES Flagstone. GLASS Pittsburgh Plate Glass Co. EXTERIOR PAINT Shingles-brush stained, Cabot's.

Siding
Trim
Sash

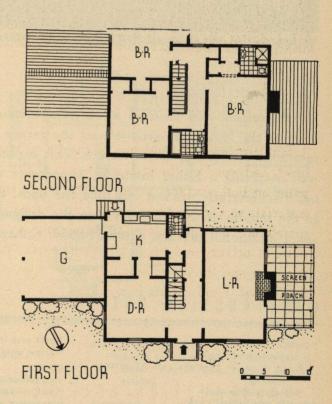
3 coats lead and oil, Dutch Boy.
Sash

LATH AND PLASTERING
Lathing
Composition plaster base—Rocklath,
U. S. Gypsum Co.
Plastering—U. S. Gypsum Co.
INTERIOR WOODWORK
Trim and floors—pine.
Hardwood—red oak.
Stock millwork—Curtis.
INSULATING
Roof rafters—Cabot's wool.

# WILLIAM M. PAREIS, ARCHITECT



PLAN: A typical arrangement of rooms, with generous auxiliary space for the kitchen. Vistas through the rooms are good. End windows in living room make up for light cut off by the screened porch. Upstairs closets ample, and convenient in shape. Square form of dining room is one that might well be more widely adopted.



INTERIOR FINISHES Sink-Standard Sanitary. HEATING Floors-Minwax, 2 coats. Stove-gas, Tappan Stove Co. Oil-Petro. Trim Refrigerator-General Electric. Boilers Doors Radiators 3 coats lead and oil, Dutch Boy. BATHROOM Sash American Radiator Co. Piping Walls Fixtures-Standard Sanitary. Valves Cabinets-United. Wallpaper-Lloyd's. Hot water heater-Penfield. Bath tubs-Pembroke. WIRING Toilets-Devoro. CHIMNEY Cable-BX. Seats-Church. Fireplaces Electrical fixtures—Chase. Facings | brick Showers-Standard Sanitary. LIGHTING Tile-Pardee Matawan Tile Co. Direct. PLUMBING PIPES HARDWARE Kitchen Brass. Interior and exterior-Corbin.

# 98. HOUSE FOR MRS. WALTER C. GUEST, ANDERSON



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Photos Lewis D. Moorhead

An interesting and unusual house composition. Starting with a typical rectangular block for the main body of the house, the architect set the garage at a slight distance and developed the intervening space into a covered porch and a terrace. This ingenious arrangement produced an unusually livable house, as well as giving a rather luxurious appearance to a residence of moderate cost. While the front is perhaps more successfully worked out than the back, the effect as a whole is satisfactory. By extending a wing in the middle of the rear elevation the designer shut off the kitchen from the terrace, giving this outdoor space additional privacy. Cost: \$14,650. Cubage: 48,540, at 30 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION Walls-common brick. Cellar floor-4" concrete plus 1" cement topping. Waterproofing-none. FRAME CONSTRUCTION Pine. EXTERIOR SURFACE Brick veneer-3" x 8" rough surface. Clapboards-garage wing. ROOF Slate on sheathing-weathered slate. Valleys-40 lb. tin. Gutters 24 gauge galvanized Down spouts Toncan. Flashing-tin and galvanized iron. Composition sheathing paper—Carey 30 lb. felt under slate. DOOR AND WINDOW FRAMES Sash and frames. Double hung-pine, cast iron weights, cotton cord.

Doors and frames (exterior) } Pine. Garage doors PORCHES Reenforced concrete slabs. Terrace-hand made old brick. Porch-red quarry. Double strength, quality A, Libbey-Owens-Ford Glass Co. EXTERIOR PAINT Walls | Barrell Sunlight, U. S. Gutta Trim Percha Paint Co. Sash LATH AND PLASTERING Lathing—composition plaster base. Plastering Certain-teed Patent plaster-Products Gypsum Corp. Finishing coat-

finishing lime

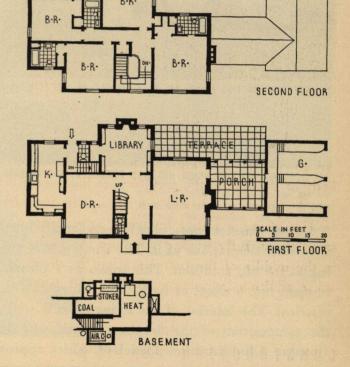
INTERIOR WOODWORK Trim and floors. Floors-mixed red and white oak, wide widths. Trim-yellow pine. Doors-Ponderosa. Shelving and cabinets-yellow pine. Stock millwork-special, except interior doors. INSULATING Outside walls-fiber board, Certain-teed Products Corp. Attic floor-kiln dried treated pine shavings. Weatherstripping — zinc strips, thresholds.

INTERIOR FINISHES
Floors—wood filler, 3 coats varnish by
Pittsburgh Plate Glass Co.

# SOUTH CAROLINA, C. W. FANT AND L. S. WHITTEN, ARCHITECTS



PLAN: Though somewhat irregular, the plan is compact, efficient, and convenient. The generous kitchen is well planned. Basement area is small. Note that the bath which serves two bedrooms has only one door, a preferable arrangement, as a rule, to that of having one door from each bedroom.



Trim Doors Interior enamel U. S. Gutta Percha Paint Co.
Walls—flat tinted Co.
Wallpaper—living and bedrooms, Alfred

Wallpaper—living and bedrooms, Alfre Peats, Chicago.

### WIRING

Cable—impregnated fiber covered, two wire.

Electrical fixtures—brass by Shapiro & Aronson and imported glass chandeliers.

### LIGHTING

Direct-Colonial type.

### PLUMBING

Kitchen.

Sink—enamel.
Cabinet—wood, special detail.
Stove—General Electric Co.
Refrigerator—Bohn box, Kelvinator
unit in basement.

### BATHROOM

Fixtures—Standard Sanitary Mfg. Co. Cabinets.

Bath tubs—enameled iron
Toilets—low tank models

Standard
Sanitary
Mfg. Co.

Seats—Church Mfg. Co.
Shower curtains—canvas.
Floors and walls—hard tile.

### PIPES Steel

### HEATING

Split system—coal fired.
Boilers—McWane.
Radiators—in kitchen and bathrooms,
Trane Co.
Piping—steel, Central Tube Co.
Hot water heater—cast Iron, American
Radiator Co.

### AIR CONDITIONING

Prepared to install cooling coil or chilled water washer later, ducts are insulated.

### CHIMNEY

Fireplaces.

Facings—one handmade colonial brick, other marble. Mantels—wood.

### HARDWARE

Interior and exterior—Yale & Towne Mfg. Co.

### SCREENS

Wood frames.

### WINDOW DRESSING

Shades—cotton.
Awnings—cotton duck.
Blinds—wood.

# 99. HOUSE FOR ALLEN E. WARD, LOUISVILLE, KENTUCKY



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Theodore Webb Photos

A formal exterior more closely associated with the Renaissance manner of England than with the American adaptations of it. The window over the main entrance actually opens into a hall, according to the old tradition. This comes as a pleasing surprise after many plans which allow this window to open into a closet or bath. The rear of the house, strictly utilitarian, is neither formal nor symmetrical. The interior of the living room is well designed. A pleasing sense of space is obtained from the composition of the fireplace mantel with side pilasters extending from floor to ceiling. Federal Housing Administration appraised value: approximately \$12,500.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls—10" concrete.
Columns—4" lally.
Cellar floor—4" concrete.
Waterproofing—none.
FRAME CONSTRUCTION
Fir.
Sheathing—yellow pine.
EXTERIOR SURFACE
4" brick veneer over sheathing and 15 lb.
roofing felt, "Genasco" by Barber
Asphalt Co.

ROOF
Wood shingles on shingle lath—5 in 2"s
Washington red cedar edge grain.
Valleys
Flashing

40 lb. tin, Scotts.

Down spouts 26 gauge galvanized iron. DOOR AND WINDOW FRAMES Sash and frames Double hung and casement type-built by Louisville Lumber and Millwork Co. Steel sash-Fenestra, basement. Doors and frames (exterior) | same as Garage doors sash. PORCHES Reenforced concrete. GLASS Double strength quality A. EXTERIOR PAINT Shingles Dipped-creosote stain.

Siding and sash

Priming 3 coats linseed oil and Finish coat Dutch Boy white lead, National Lead Co.

Trim

Priming—1 coat lead and oil, 1 coat flat.

Finish coat—2 coats enamel, semigloss.

LATH AND PLASTERING

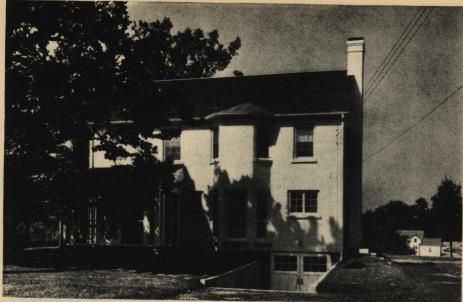
Lathing—walls and ceiling Rocklath, ceilings 2nd floor, Celotex.

Plastering

Patent plaster—Kentucky Wall Plaster Co.

Finishing coat—Plaster of Paris and lime putty, smooth.

# EMERY KINKEAD, DESIGNER

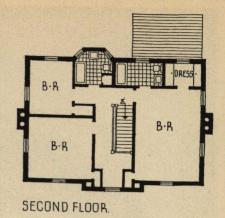


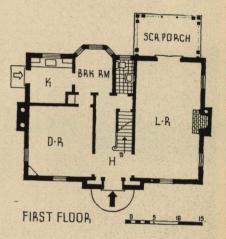
REAR SHOWING PORCH AND GARAGE ENTRANCE



comes a bathroom bay on the second floor with wash basin placed between the two side windows. The two minor becrooms seem to lack sufficient closet space. Entrance to garage steep but workable.

PLAN: The breakfast room bay be-





### INTERIOR WOODWORK

Trim-poplar.

Floors—oak, 1st floor random width, 2nd floor 5/16" by Wood Mosaic Co., Louisville, Kentucky.

Shelving and cabinets | Louisville Lumber Stock millwork | & Millwork Co.

### INSULATING

Attic floor—Reynolds metal insulation and Celotex.

### INTERIOR PAINTING

Floors-natural finish.

Trim
Doors
Sash
enamel.

Walls-3 coats semigloss finish.

### WIRING

Cable-BX.

Switches-Bryant.

### LIGHTING

Direct.

### PLUMBING

Kitchen fixtures—Crane Co.

### BATHROOM

Fixtures-Crane Co.

### PIPES

Anaconda, American Brass Co.

### HEATING

Oil.

Boilers—Red Flash boiler, American Radiator Co.

Radiators-American Radiator Co.

Hot water heater—No. 3 Crane Superior 36 gal. automatic.

### CHIMNEY

Fireplaces

Facings-brick.

Mantels-wood.

### HARDWARE

Interior and exterior—wrought iron by Russwin.

### SCREENS

Poplar frames, 16 mesh copper wire.

### WINDOW DRESSING

Shades—E. I. du Pont de Nemours Co. Blinds—mill built slat.

# 100. HOUSE FOR JOHN P. McGEAN, CLEVELAND, OHIO



Ernest Graham Photos

A most unusual use of early American motives in this house has resulted in an exterior that is anything but Colonial in appearance. Wood pendants, the door, windows, and the roof, all of undoubted New England ancestry, are combined with a heavy masonry base and a definitely unconventional porch. The problem of the second-story porch has always been a difficult one to solve where a certain resemblance to the traditional Colonial house form is considered desirable; here the architect has attempted to avoid the heaviness of wood supports by means of light ironwork. The interiors are less of a departure from the Colonial manner; wood paneling treated very simply is used for the principal rooms. The bedroom shows the decorative possibilities in the use of uncomplicated wood forms contrasted with richly textured materials. Cost: \$20,000. Cubage: 48,500 at 41 cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION Walls-brick and tile, Cleveland Builders Supply Co. ROOF Cellar floor-Portland Cement Waterproofing-R.I.W. Marine Cement, Toch Brothers Cartier & Son FRAME CONSTRUCTION Valleys Norway yellow pine Gutters Down spouts MASONRY CONSTRUCTION Common brick walls-Cleveco, Cleveland Builders Supply Co. Faced brick-Cleveco, painted white Sash and frames Tiled walls with stone facing-Cleveland Quarries sandstone Stone walls-Cleveland Quarries sandstone ments Tiles-Cleveland Builders Supply Co. EXTERIOR SURFACE pine Flush siding, Idaho white pine Garage doors-Overhead Door Corp.

```
Stucco-Birkett sheathing. Cement plas-
     ter, Cleveland Gypsum Co.
                                             Libbey-Owens-Ford grade "A" double
                                                strength
  Slate on sheathing—black Bangor
                                           EXTERIOR PAINT
   Snow breaks-Clason Copper wire, M. N.
                                             Siding Priming. Lead and oil. Finish
                                              Trim
                                                       coat, Cabot's double white
                Copper
                                           LATH AND PLASTERING
                                             Lathing-Rocklath
  Composition sheathing paper—Sisalkraft
                                                Composition plaster base-U. S. Gyp-
DOOR AND WINDOW FRAMES
                                                   sum Co.
                                             Plastering
     Double hung-Idaho white pine
                                                Patent plaster-U. S. Gypsum Co.
     Casement-Idaho white pine
                                                   "Red Top"
     Steel sash-Crittall's Stanwin case-
                                                Finishing coat-U. S. Gypsum Co., hy-
                                                   drated finishing lime
  Doors and frames (exterior)-Idaho white
                                          INTERIOR WOODWORK
```

Trim and floors

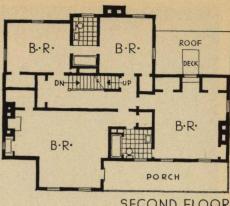
# JOHN SHERWOOD KELLY, ARCHITECT



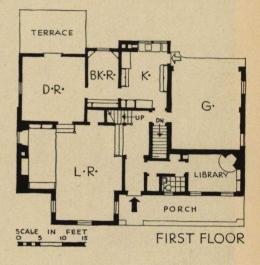
LIVING ROOM



BEDROOM



SECOND FLOOR



PLAN: Irregular rooms like the living room and master bedroom are easy to furnish and offer changing vistas that increase their apparent size. A further extension of the living room space is obtained by a wide open-ing to the hall. The stairs to hall and dining room are inconvenient, but this is a matter of the owner's preference.

Hardwood-Ritter's Appalachian red oak

Stainwoods-knotty white pine Painted surfaces—poplar Shelving and cabinets-poplar

### INSULATING

Outside walls-ground cork Attic floor-ground cork Weatherstripping-Monarch

### INTERIOR PAINTING

Floors-one coat of silicate paste filler, one coat of black stain, two coats of Permatite

Doors Enamel finish Sash

### WIRING

Cable-flexible loom Switches-General Electric tumbler type LIGHTING

Direct

### PLUMBING

Kitchen

Sink—Crane Corland acid resisting enamel iron

### BATHROOM

Fixtures-Crane Co. Cabinets-Corcoran Bath tubs-Crane Co. Toilets-Crane Co. Seats-Church Showers-Speakman Tile-Mosaic flint floor, satin finish wall tile

### PIPES

Chase brass and Byers' wrought iron

### HEATING

Gas

Boilers-Bryant Heating Co.

Radiators-"Arco" by Petroleum Heat and Power Co.

AIR CONDITIONING

Bryant split system

### CHIMNEY

Facings and hearths-Cleveland Builder's Supply rustic brick and Birmingham buff sandstone, Cleveland Quarries

Mantels-knotty pine in library and

Damper-Majestic poker damper

### HARDWARE

Interior-part wrought iron

SCREENS

Higgin Manufacturing Co.

# 101. HOUSE FOR EDWARD X. TUTTLE, BATTLE



Suzuki Photos

PROBLEM: "To build a home for the purpose of privately, comfortably, and efficiently rearing a family, eating, drinking, sleeping, playing . . ." The plot, approximately 90 x 100 ft., is situated between two streets which are not parallel, one a main thoroughfare, the other a short minor street.

With only himself to please, the architect has used brick in this severely rectangular house to relieve the coldness of its form. Unlike the typical modern house, which strives for an expression of lightness and space, this residence, by its use of masonry and wood sash, achieves a solidity quite similar to that of a more traditional type of dwelling. All furniture and fittings were built specially to the architects' designs. The location of the house on the plot is successfully worked out; privacy on the street side has been obtained by the elimination of windows, all important rooms facing on the garden. Brick walls in the garden give a unity to house and entourage which is too often neglected. Cost: \$19,857. Cubage: 45,850 at about  $43\frac{1}{2}$  cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls and piers—concrete, Alpha cement Waterproofing—none, careful control of water cement ratio made waterproofing unnecessary

FRAME CONSTRUCTION
Southern yellow pine

### MASONRY CONSTRUCTION

Common brick walls—sand lime brick
Faced brick—Buckskin face brick, Wyandotte Clay Products Co., Upper Sandusky, Ohio.

### ROOF

Built-up roof—Barrett Co.
Flashing
Down spouts 16 oz. copper, Anaconda
Coping

### DOOR AND WINDOW FRAMES

Sash and frames—double hung, Eastern white pine.

Doors and frames (exterior)—Eastern white pine.

Garage doors—overhead doors by Overhead Door Corp., Hartford City, Ind.

### PORCHES

Reenforced concrete-Alpha cement.

### GLASS

1/8" polished plate, Pittsburgh Plate Glass Co.

### EXTERIOR PAINT

Trim and Sash.

Priming—oil stain.

Finish coat—Benite by Bens Chemical
Co., Jackson, Mich.

LATH AND PLASTERING Lathing Metal—U. S. Gypsum Co. Composition plaster base—Insulite. Plastering—U. S. Gypsum Co.

### INTERIOR WOODWORK

Trim-Eastern white pine.

Floors—oak, maid's room, 3rd grade oak workshop, No. 1 yellow pine. Painted surfaces. ) Eastern

### INSULATING

Outside walls—1" Jute blanket.

Roof rafters—2" Jute blanket, ½" Insulite on roof sheathing.

Weatherstripping — Chamberlin Metal Weatherstrip.

### INTERIOR FINISHES

Floors—oak and yellow pine, 2 coats
Benite by Bens Chemical Co.

# CREEK, MICHIGAN, EDWARD X. TUTTLE, ARCHITECT

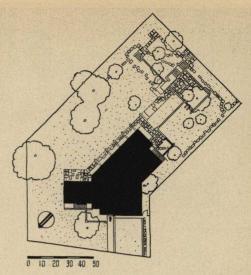


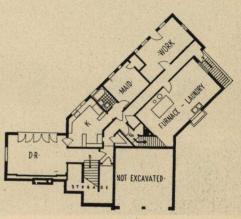
LIVING ROOM

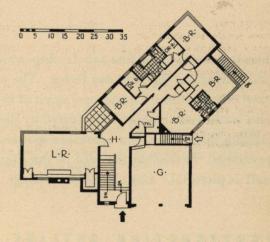


BEDROOM

PLAN: The house was backed up against the street, heavy planting screens the thoroughfare, and a garden visible only to the occupants of the house was created. The plan is unusual in that living and dining rooms are on separate floors. The entrance hall, which is finished in the same brick as the exterior, leads on the upper floor to the living room and to the bedroom wing, which can be shut off. The service entrance is perhaps too close to the bedroom window to afford privacy to the occupant, but is otherwise conveniently placed, leading directly to the kitchen on the lower floor. The dining room, at the foot of the main stair, is easily approached through an ample passage. The separation of this element from the service portion is well worked out, and the placing of the door to the kitchen is excellent.







Doors
Sash
Walls
Oil stain and wax—wax manufactured by A. J. Lehmer Floor
Co., Inc.

Wallpaper — "Salubra" by Frederic Blank & Co.

### WIRING

Cable—General Electric.

Electrical fixtures—Beardslee Chandelier Co., Chicago.

Switches-Harvey Hubbell.

### LIGHTING

Direct—Beardslee Chandelier Co.
Indirect—Duplexalite Division, Miller Co.

### PLUMBING

Kitchen.

Sink—Standard Sanitary Mfg. Co. Stove—gas, A. B. Stove Co., Battle Creek, Mich. Refrigerator—Seeger Refrigerator Co., St. Paul, Minn.

Washing machine—General Electric.

### BATHROOM

Fixtures—Standard Sanitary Mfg. Co. Cabinets—built to order.

Bath tubs—Standard Sanitary Mfg. Co. Toilets—Standard Sanitary Mfg. Co.

Seats—Church Mfg. Co.

Showers—built to detail, Speakman heads. Tile—Franklin Tile Co., Ohio.

### PIPES

Steel by National Tube Co.

### HEATING

Gas.

Hot water heater—Humphrey, Kalamazoo, Mich.

Thermostat and regulators—Minneapolis-Honeywell.

### AIR CONDITIONING

Bryant Heater Corp.

### CHIMNEY

Fireplaces

Facings Hearths Indiana limestone.

Mantels J

Damper—Colonial Fireplace Co.

### HARDWARE

Interior and exterior—Russwin, Stanley.

### WINDOW DRESSING

Venetian blinds—Columbia Mills.

Curtain material—F. Schumacher, New York.

### SPECIAL EQUIPMENT

Water softener—Stover Water Softener Co., St. Charles, III.

Sump pump (house is below sewer)—
Union Steam Pump Co., Pattle Creek,
Mich.

# 102. HOUSE FOR JAMES V. RITCHEY, DARIEN, CONN.



The house reflects a fine scholarship which has not been distorted to adjust itself to the architect's main preoccupation—present-day living. The trees at the front and rear form an admirable setting for the structural composition. The general spirit of the house is well indicated both by the dignified entrance front and also by the rear, which is dominated by the outside brick chimney and by the large dining room window overlooking the terrace—an agreeable spot for outdoor meals. The amiable garden affords consistent accompaniment. Extending the roof of the dining room bay-window over the door as a shelter was practical as well as pictorial. Cost: \$20,000. Cubage: 50,000 at 40 cents per cubic foot.

### CONSTRUCTION OUTLINE

# Columns—lally. Cellar floor—Universal cement. Waterproofing—exterior face parged with ½" coat of waterproofed Medusa cement, Anti-Hydro Waterproofing Co. FRAME CONSTRUCTION Douglas fir, Weyerhaeuser. EXTERIOR SURFACE Clapboards—½" x 6". ROOF Wood shingles on shingle lath—18" 4½" to weather, Creo-Dipt Co. Valleys—closed, flashed with copper. Gutters Flashing Down spouts

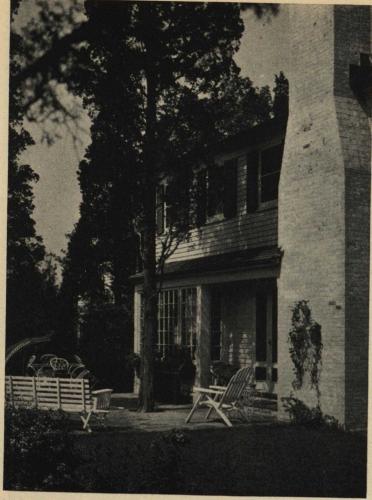
Walls-concrete, "Atlas" cement.

```
DOOR AND WINDOW FRAMES
  Sash and frames
     Double hung-Curtis Silentite.
      Steel casement—Truscon.
  Doors and frames (exterior)-wood, Mor-
     gan.
  Garage doors-Overhead Door Corp.
PORCHES
  Flagstone on concrete slab
   "A" double thick, clear sheet glass, Lib-
     bey-Owens-Ford Glass Co., American
      Window Glass Co.
EXTERIOR PAINT
  Shingles-dipped
  Siding lead and oil, Devoe & Raynolds
            Co.
  Sash
```

### LATH AND PLASTERING Lathing Ceilings-metal. Walls-Rocklath, U. S. Gypsum Co. Plastering Patent plaster - King's Windsor or Rockwall, Finishing coat-hard white. INTERIOR WOODWORK Trim-pine. Floors-oak. Walls-in library, stained pine. Shelving and cabinets-painted pine. Stock millwork-Morgan and Curtis. INSULATING **Outside** walls rock wool. Weatherstripping-Curtis Silentite.

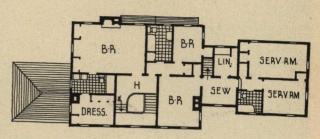
FOUNDATION

# WALTER BRADNEE KIRBY, ARCHITECT

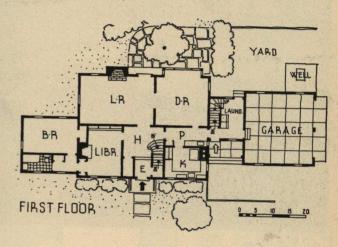


LIVING TERRACE AND REAR GARDEN





SECOND FLOOR



PLAN: The kitchen at the front is properly located. The library is completely isolated from the living room and thus ensures a quiet retreat. The extra first floor bedroom may be used as a guest room, in which case the library becomes part of a suite.

INTERIOR FINISHES

Floors-Minwax floor finish.

Doors 3 coats lead and oil paint.

Sash

Walls-Salubra.

Wallpaper-F. Blank Co., W. H. S. Lloyd

WIRING

Cable-BX.

Electrical fixtures—Chase Brass & Copper

Co.

Switches-Hart & Hegeman tumbler.

LIGHTING

Direct

PLUMBING Kitchen

Sink - Standard Sanitary enameled iron.

Cabinet-wood, Curtis stock.

Stove-A. G. A. Co., coal, insulated.

Refrigerator-Frigidaire.

BATHROOM

Fixtures—Standard, Chromard fittings.

Bath tubs-"Pembroke."

Toilets-Compact.

Seats-Church Mfg. Co.

Showers-K 200.

Shower curtains-K 290, duck.

Tile-floor, ceramic mosaic. Walls, Parisian matt glazed, American Encaustic

Tile Co.

PIPES

Brass-American Brass Co.

HEATING

Oil-Gilbert & Barker.

Radiators-American Radiator Co.

Valves-H. A. Thrush & Co.

Thermostat and regulators-Minneapolis-Honeywell Regulator Co., H. A.

Thrush & Co.

CHIMNEY Fireplaces

Facings | brick.

Mantels-wood, Wm. H. Jackson.

Damper-H. W. Covert Co.

HARDWARE

Interior and exterior-Yale & Towne Mfg.

Co.

SCREENS

Curtis stock.

## 103. GUEST HOUSE IN BEDFORD, NEW YORK



The timbers of an old frame mill, 24 x 40 feet, were used in the construction of this guest house. Everything else in the construction was new, but the materials used and the site, with its associations, plainly indicated the most suitable manner of treatment. There is a garden below the spillway of the dam. The arrangement of levels was suggested by the irregularities of the site. The division between the upper and lower masses of the building became a natural separation between master's and servants' quarters. The bedrooms are of unusual shape and their somewhat unexpected disposal is determined by the placing of the stairs with reference to the demands of the great living room below. One of the living room's most engaging features is the long range of windows overlooking the stream. Cost, approximately \$19,000.

### CONSTRUCTION OUTLINE

FOUNDATION
Walls—rubble stone.
Cellar floor—cement.
Waterproofing—integral, underfloor fill
drained with porous fill.
FRAME CONSTRUCTION

MASONRY CONSTRUCTION
Stone walls—rubble stone, local.

Rafters-spruce.

Wood pins.

EXTERIOR SURFACE
Clapboards — mill siding, composition
sheathing paper under.

ROOF

Wood shingles on shingle lath.

Valleys
Gutters
Flashing
Down spouts
Salt glazed tile drains—to dry wells.

DOOR AND WINDOW FRAMES
Sash and frames
Casement type—white pine.
Doors and frames (exterior)—pine.

PORCHES
Bluestone flagging.

LASS
Double thick, American Window Glass Co.

EXTERIOR PAINT
Siding
Trim
Sash
2 coats linseed oil.

LATH AND PLASTERING
Lathing—Toncan metal lath in bathrooms, kitchen and pantry only.
Plastering—cement plaster in same
spaces, smooth finish.

INTERIOR WOODWORK

Trim and floors—red oak in living room,
elsewhere spruce.

Wall surfaces—chestnut in living room,
other rooms spruce.
Shelving and cabinets—white pine.

# JOHN C. B. MOORE, ARCHITECT

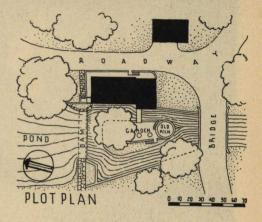


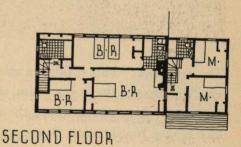
VIEW FROM THE BRIDGE

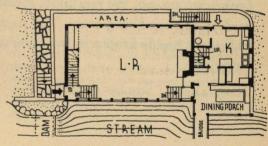


LIVING ROOM









FIRST FLOOR

### INSULATING

Roof rafters-1/2" Insulite. Attic floor-1/2" Cabot's Quilt.

Floors-stained, shellacked and waxed. Trim

Doors 2 coats linseed oil.

Walls-living room naturally weathered

and unfinished, all other rooms stained and oiled.

### WIRING

Cable-BX.

Electrical fixtures—specially designed, tin. Switches-toggle type.

### LIGHTING

Direct.

### PLUMBING

Kitchen

Sink-enameled iron. Stove-container gas. Refrigerator-ice.

### BATHROOM

Fixtures-enameled iron, Standard Sanitary Mfg. Co.

Bath tubs-enameled iron. Toilets-porcelain.

Seats-white, Church Mfg. Co. Showers-over tub.

Floor-linoleum.

Supply-brass.

Waste-cast iron.

### HEATING

Hot water heater-coal.

### CHIMNEY

Fireplaces

Facings

Hearths common brick.

Mantels

Damper-Covert, Old Style B.

Interior and exterior - wrought iron latches, etc., P. & F. Corbin.

SCREENS

Wood frames.

# 104. HOUSE FOR DOROTHY GREENO, BILTMORE FOREST, N. C.



Fisher

The architect: "This residence was planned entirely around the owner who desired plenty of sunshine and air. Note that in the living room, study, and owner's bedroom the sun shines in all hours of the day. Note also the second floor porch where the owner has breakfast each morning, looking over the garden." This house, like House No. 3, omits the supporting column at the corner of the porch. Here with a flatter roof and broken up masses, the treatment seems architecturally at ease. The kitchen is well placed; the study can be used as another living room. The living room fireplace was designed with openings on either side where wall space beside fireplaces is a more usual treatment. Cost: \$15,000. Cubic feet: 55,500 at 27 cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls and piers—common brick.
Cellar floor—concrete.
Waterproofing — emulsion No. 55—Union

Waterproofing — emulsion No. 55—Union Products Co.

FRAME CONSTRUCTION Native yellow pine.

MASONRY CONSTRUCTION
Tiled walls.

EXTERIOR SURFACE
Common brick veneer over tile.

ROOF

Tile on sheathing—B. Mifflin Hood Co. Valleys—copper. Gutters—24 ga. Galvanized iron.

DOOR AND WINDOW FRAMES
Sash and frames
Double hung

Doors and frames (exterior)—white pine. Garage doors—roll up overhead type, Yoder Morris Co.

PORCHES

Brick floor. Matched pine.

GLASS

Flat drawn sheet glass D. S. A., Libbey-Owens-Ford Glass Co.

EXTERIOR PAINT

Brick painted 2 coats "Bondex" cement paint.

Trim Priming—lead and oil.

Sash Finish coat—2 coats SherwinWilliams outside paint.

LATH AND PLASTERING

Lathing

Wood

Plastering

Patent plaster—U. S. Gypsum Co. Finishing coat—smooth finish, U. S. Gypsum Co.

INTERIOR WOODWORK

Trim and floors-hard wood.

Shelving and cabinets—painted except for cedar lining.

Stock millwork.

INSULATING

Roof rafters—Johns-Manville rock wool.
Weatherstripping.

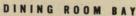
INTERIOR FINISHES

Floors—filled, varnished, 2 coats, Pratt & Lambert.

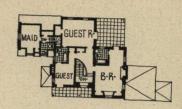
# HENRY IRVEN GAINES, ARCHITECT



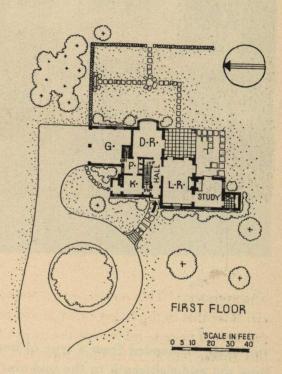
ENTRANCE







SECOND FLOOR



PLAN: Kitchen in front makes it easy for maid to answer front door and allows dining room to have large window and pleasant view of rear garden. Garage well located in relation to service quarters. Upstairs arrangement workable with two guest rooms sharing bath.

Trim
Doors
Sash

Walls—2 coats enamel—Pratt & Lambert
Plate Glass Co.
Wallpaper—bathrooms only, "Salubra."

WIRING
Cable
Switches—Bakelite.
LIGHTING
Direct
PLUMBING
Kitchen
Sink—enamel iron, pantry sink—Monel
metal, Crane Co.
Cabinet—wood.

BATHROOM
Fixtures
Bath tubs
Crane Co.
Toilets
Cabinets—Miami Cabinet Co.
Seats—Church Mfg. Co.
Tile—4 ft. high in guest bath.
Composition tile—floor and wainscot owner's bath, Armstrong Cork Co.

PIPES

Steel
HEATING
Coal
Boiler

Boiler Radiators cast iron, U. S. Radiator Co. Piping—steel.
Valves—Dunham Co.

Hot water heater - heated from main boiler with summer controls from stoker. Stoker-Iron Fireman. Thermostat and regulators. CHIMNEY Fireplaces Facings Hearths Marble. Mantels-wood. Damper-Covert. HARDWARE Interior Exterior Yale & Towns. SCREENS By Roiscreen Co. WINDOW DRESSING Shades

Blinds

Stove-Pyrofax Gas, Carbide & Chemi-

cals Corp.

Refrigerator-Kelvinator.

# 105. HOUSE FOR E. G. D. PATERSON, EASTCHESTER



Spiritually descended from a type of house common throughout the Middle and New England States, from the mid-eighteenth to the mid-nineteenth century—a type whose main mass was augmented by one lower wing, whether coeval or in the form of a later addition. This suburban house asserts the still vigorous claim of that type to consideration. It is of a sort that appeals to conservative people and assures them a known quantity of comfort. Its style, inside or out, is a composite drawn from several sources, but the combination has been creditably effected. The house is brick-veneered, painted white, and the roof is of slate. Cost, including planting, decorating and architect's fee, \$15,000, at 39 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION

Walls-concrete blocks.

Cellar floor-4" concrete.

Waterproofing—Medusa waterproof cement by Medusa Portland Cement Co.

FRAME CONSTRUCTION

Fir

Bridging—spruce.

EXTERIOR SURFACE

Brick veneer—North River common brick.

ROOF

Slate on sheathing—No. 1 Bangor.

Down spouts copper.

DOOR AND WINDOW FRAMES

Sash and frames

Double hung-pine, 1%" thick to detail by Midland Mill & Lumber Co.

Doors and frames (exterior)—pine to detail.

Garage doors—overhead with Crawford hardware.

PORCHES

Blue stone flagging on reenforced concrete slab.

GLASS

Double strength quality A, Libbey-Owens-Ford Glass Co.

EXTERIOR PAINT

Brick veneer—2 coats Bay State cement coating, Devoe and Raynolds.

Trim 3 coats Dutch Boy, National Sash Lead Co.

LATH AND PLASTERING

Lathing

Metal—3 lb. black.

Plastering

Patent plaster-U. S. Gypsum.

INTERIOR WOODWORK

Floors-oak.

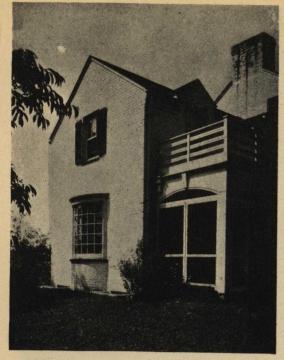
Trim, painted surfaces) pine and white-Shelving and cabinets wood.

INSULATING

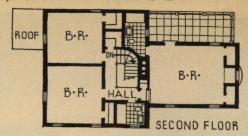
Outside walls
Attic floor

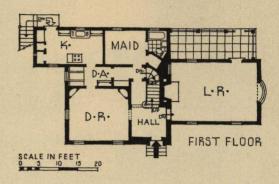
4" rock wool.

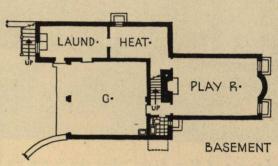
# NEW YORK, R. H. SCANNELL, ARCHITECT











PLAN: A sloping site permits the economy of putting the garage in the basement, along with a commodious playroom and the laundry. The dining alcove is probably a source of satisfaction in plan rather than in actu-The upstairs arrangement is ality. well thought-out and roomy.

Weatherstripping-zinc, H. A. Kammerer, Mt. Vernon, New York.

INTERIOR FINISHES

Floors-stain and wax.

Trim

Doors 4 coats oil paint.

Sash

Wallpaper-Richard E. Thibaut, Inc.

WIRING

Cable-BX

Electrical Fixtures-Whiffen Electric Co., White Plains, New York.

Switches-toggle, Arrow-Hart & Hegeman Electric Co., Hartford, Conn.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-enameled iron, Standard Sanıtary Mfg. Co.

BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Seats-Church Mfg. Co.

Tile-American Encaustic Tile Co.

PIPES

Anaconda brass.

HEATING

Oil-Fairfield Burner.

Boilers-Fitzgibbons Boiler Co., Inc.

Radiators-convector type, American Radiator Co.

Piping-steel.

Thermostat and regulators-Minneapolis-Honeywell Regulator Co.

CHIMNEY

Fireplaces

Facings | Slate.

Mantels-wood to detail.

Damper-H. W. Covert Co.

HARDWARE

Interior and exterior-P. & F. Corbin.

SCREENS

H. A. Kammerer, Mt. Vernon, New York.

# 106. HOUSE FOR ANNA STEN AND DR. EUGEN FRENKE,



The architect says of Miss Sten, "that she is not an overgroomed town and parlor creature; she fits best into a frame of gardens . . . . likes the out-of-doors. She and her husband are charming and hospitable people, but they do not wish to be mere organizers of social events and would hardly care for parties in the grand style." The first floor of this beach house, luxurious in its expanse of window and air of spaciousness, looks extremely comfortable, but was obviously not designed for large-scale entertainment. Similarly, the second floor, with almost all of its area given over to the suites of the owners, is not intended to accommodate many guests. The house is well located, with no interruption of the fine views of the sea and distant mountains. Cost was between \$4.50 and \$5 a square foot of net floor area.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls and piers—concrete mix 1:2½:3½,
Riverside Portland Cement Co.

Cellar floor—cement floor, 3 in. thick, reenforced No. 10 mesh.

Waterproofing—Packstone waterproofing, Pabco Membrane, damp courses under balcony tile.

### FRAME CONSTRUCTION

Standard unit type chassis Douglas fir with surfaced timber supports, rebated to receive steel sash, Pacific Manufacturing Co. Sills—Redwood.

### MASONRY CONSTRUCTION

Garden walls-concrete block, brush coated.

### EXTERIOR SURFACE

Stucco on Armco No. 1 sheet steel.

### ROOF

Gutters—24 Ga. Galv. iron, Armco No. 1. Flashing—Armco No. 1.

Down spouts—24 Ga. 3 in. diam. galv. iron, Armco No. 1.

Salt glazed tile drains—Gen. Ceramics Co.
Composition sheathing paper—ten-year
composition roof (gravel) Pabco,

Paraffine Co., Inc.

Copper—Revere Copper & Brass, Inc.

### DOOR AND WINDOW FRAMES

Sash and frames—Druwhit steel sash casement type with extension hinges.

Doors and frames (exterior)—sugar pine doors, glazed, and covered with tempered Presdwood panels.

Garage doors — sliding on overhead Richard Wilcox Track, 1 x 4 in. Douglas fir tongued and grooved with vertical joints on 1 x 6 in. Douglas fir braced frame.

### PORCHES

Reenforced concrete—3 in. slabs reenforced with 6 x 6 No. 10 galv. wire mesh, V-Jointed and integrally colored with "Lithochrome."

### GLASS

Libbey-Owens-Ford glass, first quality D. S. and ½ in. plate.

EXTERIOR PAINT

Finish coat Priming Aluminum coating on all exterior steel, sheet steel, steel windows and woodwork; Aluminum Co. of America.

### LATH AND PLASTERING

### Lathing

Expanded metal, Celotex lath, U. S. Gypsum Sheetrock.

### Plastering

Keene's cement in bathrooms above wainscoting, and Empire hardwall plaster.

Exterior—Light gray cement plaster.

Interior—White smooth putty finish,

Cemelith brush coat.

### INTERIOR WOODWORK

Trim and floors

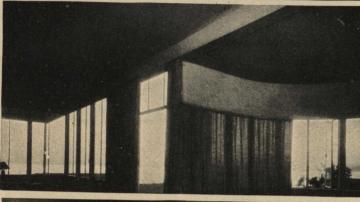
Hardwood block floor, E. L. Bruce Co. Battleship Linoleum by Armstrong Cork Products Co.

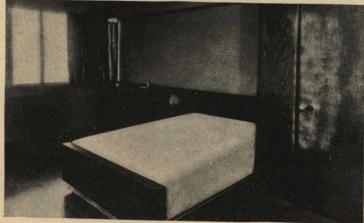
Painted surfaces—Douglas fir.

Shelving and cabinets—¾ in. Douglas fir, No. 2 clear vertical grain. Stock millwork—clear Douglas fir.

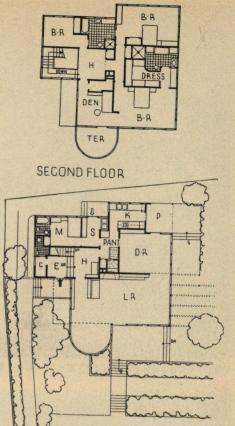
# CALIFORNIA BEACH, CAL., RICHARD J. NEUTRA, ARCHITECT







Luckhaus



POOL

4 CARS

FIRST FLOOR & GARDEN 9 5 10 15 20

### INSULATING

Outside walls—airspace between outside and inside plaster, plus felt.

Roof rafters—Celotex insulation.

Weatherstripping—24 ga. galv. sheet metal, Armco No. 1.

### INTERIOR FINISHES

Floors—paint, 4 coat finish, Nat. Lead Co.

4 coat enamel in kitchen and bathrooms, oil stain, shellac rubbed, waxed and polished in all other rooms.

Sash-3 coats aluminum paint.

Walls—4 coats enamel in kitchen and bathrooms above wainscot, 3 coat oil paint in living room, dining room, entrance hall.

Wallpaper—white smooth Sanitas in bedrooms, den and guestroom.

### WIRING

Cable—American Steel & Wire Co. Conduit, Steel & Tubes, Inc.

Switches-G. E. Bakelite.

### LIGHTING

Direct—light control lenses in recessed sheet metal boxes.

Indirect—light shelves, Diffusex and prism glass.

### PLUMBING Kitchen

Sink—Kohler, porcelain enamel.

Cabinet—¼" hard Masonite Presdwood on Douglas fir frame.

Stove—Southern California Gas Co.

Refrigerator—General Electric.

### BATHROOM

Fixtures—Kohler.
Cabinets—Sugar pine with tile top.
Bath tubs—recessed, Kohler.
Toilets—flush valve, Kohler.
Seats—Church Mfg. Co.
Showers—American encaustic glazed tile.
Glass shower doors.
Tile—encaustic tile, floor and wainscot.

### PIPES

Brass, copper and galvanized iron. Wrought iron—mains, Central Tube Co. Steel—Reading Iron Co.

### HEATING

Magic Way gas furnace. Hot air registers, Hart & Cooley. Piping—galvanized iron ducts, Johns-Manville asbestos covered.

Hot water heater—Hoyt 60 gal. automatic. Regulators—electric push buttons.

### AIR CONDITIONING

Unit furnaces with electrically boosted air circulation, Magic Way.

### CHIMNEY

### Fireplaces

Facings—split brick.

Hearths—cement.

Mantels—wood top on split brick front.

Damper—cast iron.

### HARDWARE

Interior—Schlage Locks, 2 in. knobs, chromium plated hinges.
Exterior—Yale cylinder locks.

### SCREENS

Roller screens, Rollaway.

### WINDOW DRESSING

Shades—Mission cloth curtains on Kirsch curtain track.

### SPECIAL EQUIPMENT

Swimming pool—filter plant by Paddock Engineering Co.

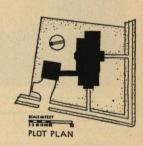
## 107. HOUSE FOR DR. FRANK S. GILLESPIE, SWARTHMORE



PROFESSIONAL VISITOR'S ENTRANCE

Wallace Photos

This house, like House No. 14, shows a skillful and sympathetic use of the Pennsylvania farmhouse style. Again the stone surfaces have been kept from being exaggeratedly jagged and the combining of stone and wood is not disturbing. The corner lot makes possible the complete separation of the professional entrance from the social entrance (the difference between these two elevations is reminiscent of the front and back elevations of House No. 49). The loggia screens living quarters from patients. In answer to the problem, the kitchen is in good relation to the two main and to the service entrances. Because of plumbing problems it is quite properly and conveniently placed next to the laboratory. Cost: approximately 40 cents per cubic



### CONSTRUCTION OUTLINE

FOUNDATION

Walls-local stone. Columns-steel. Cellar floor-cement.

FRAME CONSTRUCTION Hemlock

Plate-longleaf yellow pine. MASONRY CONSTRUCTION

Walls-local stone. Garage-cement blocks.

EXTERIOR SURFACE Clapboards-white pine. Stucco-on concrete blocks.

Composition shingles on sheathing-Keasby-Mattison Old Colony asbestos shingles. Valleys-open.

Gutters-pole gutters, copper lined. Flashing

Down spouts

DOOR AND WINDOW FRAMES

Sash and frames

Double hung and casement-cypress frames, white pine sash, longleaf yellow pine sills.

Doors and frames (exterior)-white pine. Garage doors-frames cypress, doors white pine.

PORCHES

Flagstone floors except 2nd floor porch which is T. & G. N. C. pine.

GLASS

"Lustra," Pittsburgh Plate Glass Co.

EXTERIOR PAINT

Siding Priming-white lead. Trim Finish coat-white lead and oil. Sash

LATH AND PLASTERING

Lathing

Metal-in corners. Wood-spruce. Plastering Patent plaster.

INTERIOR WOODWORK

Floors-random width oak floors doweled, 1st floor, 21/4 face T. & G. white oak, 2nd floor.

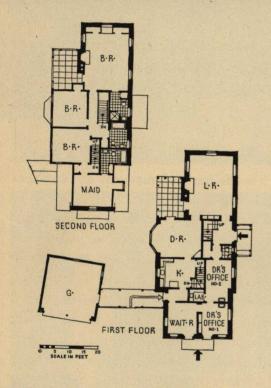
Painted surfaces-white pine, all interior

Shelving and cabinets-white pine. Stock millwork-interior doors only.

# PENNA., RICHARD W. MECASKEY, ARCHITECT



SOCIAL VISITOR'S ENTRANCE





DETAIL, MAIN BEDROOM

### INSULATING

Outside walls | Reynold's Metallation over Attic floor | sheathing of frame walls. Weatherstripping-all openings, spring bronze type.

### INTERIOR FINISH

Floors-stained and waxed.

Doors painted.

Walls-office, kitchen and baths painted. Wallpaper-in all other portions.

Switches-toggle, plates to match color of walls.

### LIGHTING

Direct

### PLUMBING

Kitchen

Sink-Monel metal, Int. Nickel Co. Cabinet-stock wood dressers. Stove-gas range.

Refrigerator-General Electric Co.

### BATHROOM

Fixtures-Standard Sanitary Mfg. Co. Bath tubs-white enamel recessed.

Seats-white.

Tile-floor and shower stall bath No. 1, white with colored trim. Floor and side walls bath No. 2, colored tile.

### PIPES

Copper tubing.

### HEATING

Oil-Gar Wood system.

Hot water heater-electric "Penco," Philadelphia Electric Mfg. Co.

Thermostat-Minneapolis-Honeywell with oil burner.

### CHIMNEY

Facings Hearths Sayre & Fisher brick.

Mantels-wood. Damper-Covert.

### HARDWARE

Interior Schlage (a few reproductions of early hardware made to Exterior order).

### SCREENS

Wood and copper wire by carpenter.

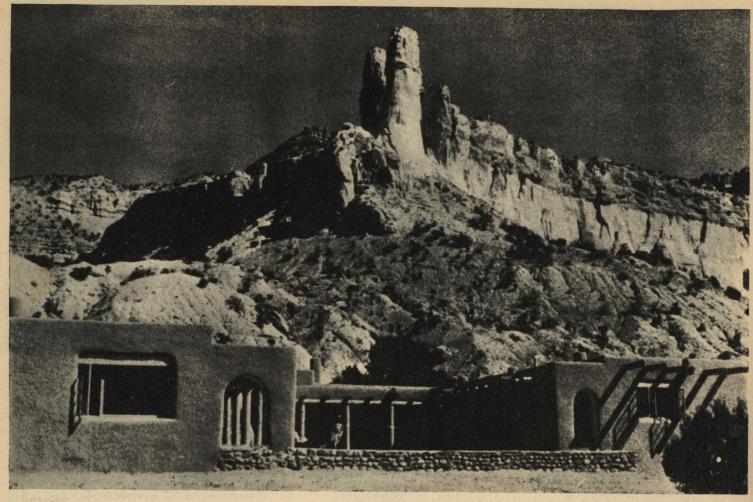
### WINDOW DRESSING

Shades-2nd floor.

Venetian blinds-1st floor.

Blinds-exterior blinds and shutters.

# 108. ADOBE HOUSE NEAR ABIQUIU, NEW MEXICO



From the designs of the architects, this ranch house was built in the native manner by a local builder attached to the ranch staff, employing local and Indian workmen. The design and material alike cannot fail to be of special interest to those unacquainted with the Southwest. Upon a foundation of rough stone grouted with cement, the walls are built of adobe blocks, made of mud from a nearby pit; the blocks were afterward coated, inside and out, with an adobe plaster and then washed with white or pale colors prepared from local earth (tierra blanca). The exterior has a rose hue so like the color of the foothills as to be almost indistinguishable from them at a distance. Pine logs, from the higher land a few miles away, supply the posts of the portico around the patio, and also the rafters for the roof; these are ceiled above with planks of Oregon pine. The whole structure is thoroughly robust—the walls of the living room are 30 in. thick. Fireplaces provide all necessary heating. Notwithstanding the extreme simplicity of the structure, every advantage is taken of modern mechanical facilities. A generator with batteries is installed in the garage and pumps water from an artesian well, works a refrigerator and operates an electric light system. A septic tank meets all sanitary requirements. Cost—excluding generating plant, pump, septic tank and well: \$15,000.

### CONSTRUCTION OUTLINE

Walls—stone and cement.

WALL CONSTRUCTION
Adobe brick

FRAME CONSTRUCTION
Floor Joists
Studding
Bridging
No. 1 Oregon pine.

EXTERIOR SURFACE Adobe finish.

OOF Built up (felt and asphalt), Johns-Man-

Gutters—galvanized iron.
Flashing—5-ply felt and asphalt.

DOOR AND WINDOW FRAMES
Sash and frames—wood casement, special made.

Doors and frames (exterior) wood, special made.

Garage doors

PORCHES
Floor—flagstone

EXTERIOR PAINT

Trim Sash 3 coats lead and oil

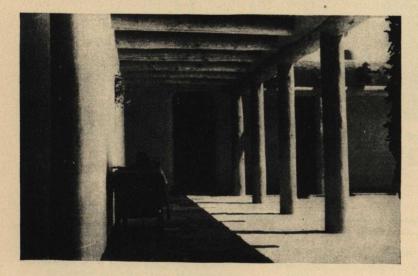
LATH AND PLASTERING Lathing—metal.
Plastering—adobe.

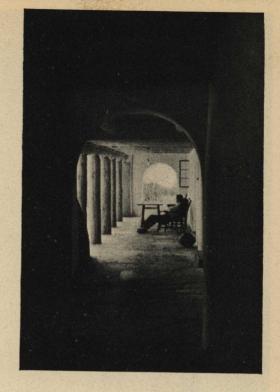
INTERIOR WOODWORK
Floors—hardwood.
Trim, shelving and cabinets—pine.

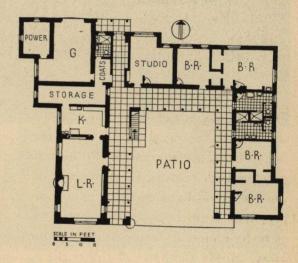
# BENNETT, PARSONS AND FROST, ARCHITECTS











PLAN: Since the portico of the patio serves as a general means of communication, and oftentimes as an outdoor living room as well, the plan is necessarily organized loosely, with rooms of associated use in proximity as, for instance, the kitchen and the living room, which latter is likewise the dining room. The bathrooms are planned for showers.

INSULATING
None.

INTERIOR FINISHES
Floors
Trim
Doors
Sash
Walls—King wall finish.
WIRING
Cable—steel tube.
Electrical fixtures—special.

Switches-plain black.

PLUMBING
Kitchen
Sink
Cabinet
Stove
Refrigerator

BATHROOM
Fixtures—complete.

PIPES
Galvanized iron.

HEATING
Fireplaces.
Hot water heater—Pierce, one unit in each bathroom.

CHIMNEY
Fireplaces
Facings—brick.

Mantels—adobe.

HARDWARE
Interior and exterior—plain black.

Hearths-stone.

# 109. HOUSE FOR WALTER W. FOX, PASADENA, CALIFORNIA



Even with its definitely French character this house is still unmistakably Californian. Typical is the strong preoccupation with surface textures—slate, whitewashed brick, wood. Also typical is the marked differentiation between the formal "public" elevation and the easy-going, informal "private" elevation (cf. House No. 43). The shape was partly determined by an effort to save some fine oak trees on the property. Maid's quarters are in the upper part of the garage. The plan is comfortable with excellent separation of elements: service, living, sleeping, study. Cost: \$18,500, Cubic feet: 38,000 at about 48½ cents.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-Monolith Portland cement-cellar. Monolith plastic waterproof Portland cement.

Cellar floor-concrete.

### FRAME CONSTRUCTION Douglas Fir.

Sills-redwood.

### MASONRY CONSTRUCTION

Yard walls hollow cement block construction.

### EXTERIOR SURFACE

Brick veneer-common brick by Simons Brick Co., Los Angeles.

### ROOF

Slate on sheathing — imported Belgian slate.

Valleys Gutters

Flashing Down spouts

copper.

### DOOR AND WINDOW FRAMES

Casement-Campbell steel casement. Doors and frames (exterior)-white pine.

### PORCHES

Floor-common brick.

Double strength Pennvernon, Pittsburgh Plate Glass Co.

### EXTERIOR PAINT

Trim-Dutch Boy white lead, 4 coats lead and oil, color mixed from pigment on

Brick-2 coats of exterior brush coat prepared on the lob.

### LATH AND PLASTERING

### Lathing

Wood-Douglas Fir covered with 1" 18-gauge galvanized wire.

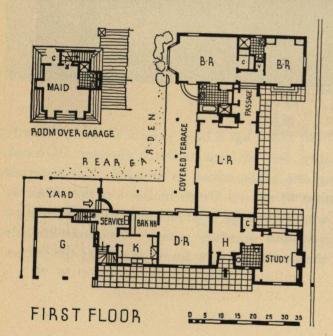
Metal-3.4 pound diamond mesh metal lath.

Plastering-Blue Diamond plaster of Paris, Best Bros. hardwall plaster.

# RALPH C. FLEWELLING, ARCHITECT



REAR GARDEN





BEDROOM DETAIL

The bedroom "unit" is planned so that it may be entered from the side court into the rear passage, a scheme of considerable merit when entertaining is part of the home life.

### INTERIOR WOODWORK

Trim-Douglas Fir, white pine, Port Orfort cedar in living room and entrance hall.

Hardwood—Bruce oak flooring, both planks and 1½" straight run.

Millwork-clear pine to detail.

### INSULATING

Roof rafters-1" Celotex. Weatherstripping-Chamberlin.

### INTERIOR PAINTING

Floors-in 2 bedrooms 3 coats Pratt & Lambert floor paint.

Trim-Dutch Boy white lead for trim and pure linseed oil with color pigment added mixed on the Job. All other interior paint the same.

Wallpaper-local distributor.

### WIRING

Cable-rigid iron conduit, Underwriter's

Electrical fixtures-made to order locally. Switches-main switch, Brown and Pengilly. Individual switches, Hart & Hegeman.

### PLUMBING

Kitchen

Sink-Crane Co.

Refrigerator-Westinghouse Electric.

### BATHROOM

**Fixtures** 

Bath tubs Toilets

Showers

Shower curtains Floor covering-Armstrong's linoleum.

Crane Co.

Mueller brass, other pipe steel galvanized.

Gas fired, hot air, Payne Furnace Co. Hot water heater-Crane Co.

### CHIMNEY

Fireplaces

Damper-Richardson.

### HARDWARE

Interior-finish, Corbin. Exterior-Richards-Wilcox.

### SCREENS

Roll-Away screens by Disappearing Screen and Shade Co.

# 110. HOUSE FOR WALTER W. BOTT, NORTH BRANCH



This house is small—how small, a glance at the plans will show. But it has a large presence—derived partly from the scale of the front penetrations; and it has personality, derived from its Dutch ancestry. Of frame construction, it is veneered with local fieldstone, excepting one gable, which is shingled. The materials help this house appear to belong where it is. One of the faults of the old Dutch houses was the relatively small size of their windows. They not only shut out cold in winter but kept out much-needed air circulation from small rooms in warm weather. This defect the large window openings remedy. One commendable feature of the plan is the ease of completely shutting off the service portion from the rest of the house. Cost: \$17,640. Cubage: 42,000 at 42 cents per cubic foot.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls—Portland cement concrete, Atlas Co.

Columns-lally.

Cellar floor-concrete, Atlas Co.

Waterproofing—integral and external, L. Sonneborn Sons, Inc.

FRAME CONSTRUCTION

Fir.

Girder-steel.

### EXTERIOR SURFACE

Stone veneer—8 in. field granite from Lebanon, N. J.

Shingles—on one gable, pilgrim shakes, Cabot.

### ROOF

Slate on sheathing—Vermont fading green, Vermont Structural Slate Co.

Valleys Conner Chency Co.

Down spouts copper, Cheney Co.

Gutters-fir.

Composition sheathing paper—Sisalkraft, treated.

### DOOR AND WINDOW FRAMES

Sash and frames

Double hung casement — Andersen narrow line, Andersen Frame Corp, Steel sash—Fenestra, Detroit Steel Products.

Door and frames (exterior)—white pine.
Floor—slate on reenforced concrete slab,
Co.

### PORCHES

Floor—slate on reenforced concrete slab, Vermont Structural Slate Co.

### GLASS

Clear, Libbey-Owens-Ford Glass Co.

### EXTERIOR PAINT

Trim | Priming | White lead and oil, Sash | Finish coat | Atlantic Paint Co.

### LATH AND PLASTERING

Lathing

Metal—Meshtex, Penn Metal Co.
Plastering
Patent plaster
Finishing coat

U. S. Gypsum Co.

### INTERIOR WOODWORK

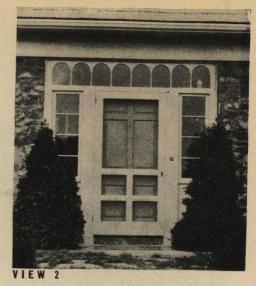
Floors—red oak, linoleum in kitchen,
Armstrong Cork Products Co.
Painted surfaces—white pine.
Shelving and cabinets \ white pine, Curtis
Stock millwork \ \ Companies.

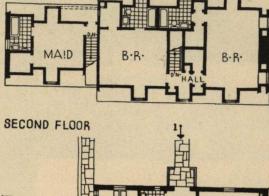
### INSULATING

Outside walls
Roof rafters
Attic floor
Corp.

# NEW JERSEY, NEWTON W. SHEPPARD, ARCHITECT







L.R. SCALE IN FEET FIRST FLOOR



VIEW 1

PLAN: The placing of the coat closet and lavatory is good; so is the arrangement of the bathrooms upstairs. Closet spaces are exceptionally generous in all places where they are needed. The maid is well taken care of. Her bedroom and bath, over the garage, connect by a private stair and entry with the kitchen. The whole plan is well organized and well proportioned.

### INTERIOR FINISHES

Floors-shellac, Pratt & Lambert. Trim

Doors white lead and oil, Devoe & Sash Raynolds. Walls

Wallpaper-Richard Thibaut.

### WIRING

Cable-B.X., Western Electric. Electrical fixtures—special, Arnold & North, New York. Switches-Toggle, Hart & Hegeman.

### PLUMBING

Sink-stainless steel, General Electric. Cabinet-steel, Elgin Stove & Oven Co. Stove

Refrigerator General Electric Co. Washing Machine

### BATHROOM

**Fixtures** Bathtubs Standard Sanitary Mfg. Co. Toilets Showers

Cabinets-G. M. Ketcham Mfg. Corp. Seats-Church Co.

Shower curtains—glass tub enclosure, G. M. Ketcham Mfg. Corp. Tile-mat glazed, American Encaustic

Tile Corp.

Copper, Chase Brass & Copper Co.

HEATING AND AIR CONDITIONING Oil-fired, Holland Furnace Co., Holland,

Mich. Hot water heater.

Thermostat and regulators, Minneapolis-Honeywell Co.

### CHIMNEY

Fireplaces

Facings, Colonial Brick, Sayre & Fisher Co.

Hearths-promenade tile, American Encaustic Tile Corp.

Mantels-white pine, Arnold & North, Inc.

Damper, H. W. Covert.

### HARDWARE

Interior-brass, Schlage Lock Co., Andersen Frame Corp. Exterior-bronze, Schlage Lock Co.

### SCREENS

Andersen Frame Corp.

### SPECIAL EQUIPMENT

Clothes Chute-aluminum by Haslett Chute & Conveyor Co., Oaks, Penn.

# 111. HOUSE FOR MILDRED T. KEALLY, DARIEN, CONN.



In this house the architect planned for his wife and himself a conventional New England type. Its low eaves and high roof are well adapted to the hilltop site. The large center bay is the main feature of both facade and living room and its large expanse of glass gives ample light to the interior while leaving plenty of wall space for furniture. The above photograph shows the house in a rather unfavorable light, but the very bareness of its winter surroundings is an excellent illustration of the importance of adequate landscaping in setting off a house to best advantage. Cost: \$15,400. Cubage: 34,426, at 45 cents a cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION Wall-stone and cinder concrete block. Columns-lally. Cellar floor-cement. Waterproofing-integral, Medusa, FRAME CONSTRUCTION Fir. EXTERIOR SURFACE Shingles-red cedar random width, "Weatherbest" 12" to weather. Wood shingles on shingle lath-"Weatherbest" 61/2" to weather, left natural. Valleys Gutters 16 oz. copper. Flashing Down spouts

Salt glazed tile drains-4" along foundations. Composition sheathing paper-Sisalkraft. DOOR AND WINDOW FRAMES Sash and frames Double hung | Pondosa "D" select Casement type white pine. Steel sash in basement. Doors and frames (exterior) white pine. TERRACE Floor-2" Bluestone laid in cement on 5" cinder concrete. GLASS Single thick quality B Pennvernon, Pittsburgh Plate Glass Co. EXTERIOR PAINT Shingles-dipped in Cabot's bleaching oil.

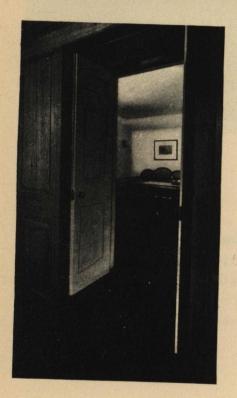
Trim Sash oil paint. LATH AND PLASTERING Lathing-metal, 23/4 lbs. per sq. yard. Plastering—patent plaster Red Keene cement in bathroom. INTERIOR WOODWORK Floors-quality red and white oak 4"-8" Paneling-Swedish knotty pine in living room. Trim Shelving and cabinets white pine. INSULATING **Outside** walls Red Top wool, U. S. Attic floor. Gypsum Co. Weatherstripping INTERIOR PAINTING

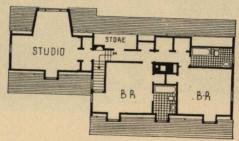
Floors-stained.

# FRANCIS KEALLY, ARCHITECT

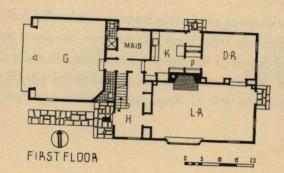


John Gass Photos





SECOND FLOOR



PLAN: Excellent handling of vistas, particularly from entrance through living room. The vista through the dining room door and north and south windows is given added interest by a slight change in levels. Garage entrance to house is well located. The second floor studio with its large north light is an interesting use of the space over the garage.

Doors oil paint, Moore's. Sash Walls

WIRING

Cable-BX.

Electrical fixtures—Hendrickson & Co. Switches-toggle.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-Standard Sanitary Co.

Cabinet-wood.

Refrigerator | General Electric.

BATHROOM

Fixtures-Standard Sanitary Mfg. Co.

Cabinets-Hoegger.

Bath tubs Standard Sanitary.

Seats-Church Mfg. Co.

Floor-tile mosaic.

PIPES

Main-copper.

Supply-brass.

Soil and vents-wrought iron.

HEATING

Oil burner-General Electric, hot air.

Hot water heater General

Thermostat and regulators | Electric.

AIR CONDITIONING

Central-General Electric.

CHIMNEY

Hard-burned common brick, 2" bluestone cap.

Facings Hearths fire brick.

Mantels-wood.

Damper-Covert Old Style A.

HARDWARE

Interior and exterior-brass.

SCREENS

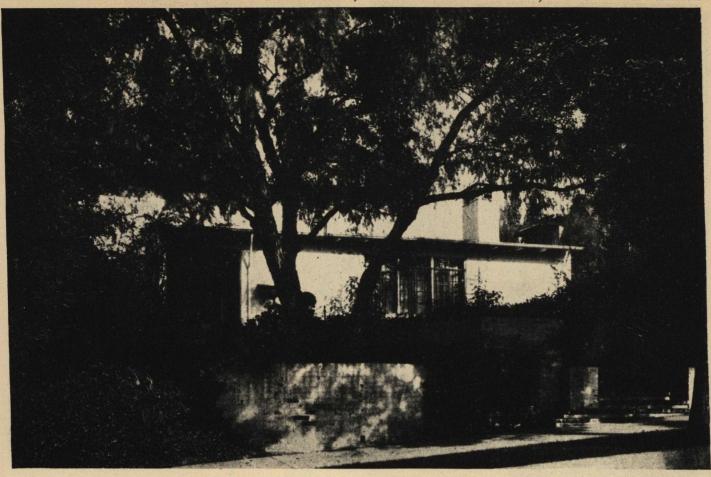
Copper in wood frames.

WINDOW DRESSING

Venetian blinds-Rolscreen Co.

Incinerator, model R7, Kerner Incinerator

# 112. HOUSE FOR S. GRAVES, LOS ANGELES, CALIFORNIA



The living room wall with its sweeping projecting eave is a splendid foil for the foreground planting wall, one in sunshine, the other in shadow. The large pepper tree has been purposely utilized to dominate the approach and keep it in shade. Typical of the excellent landscaping, done in the office of the architect, which surrounds this house is the rear garden with trellises and covered porches opening on paved terraces and simple expressive planting. Cost: \$16,060. Cubage: 34,884 at 46 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION Walls and piers concrete. Cellar floor Waterproofing - Anti-Hydro integral waterproofing. FRAME CONSTRUCTION Oregon pine. Sills-redwood. EXTERIOR SURFACE Stucco. ROOF Wood shingles on shingle lath-5 in 2"s "Perfects." Gutters Down spouts galvanized iron.

DOOR AND WINDOW FRAMES Sash and frames Steel sash-Truscon. Doors and frames (exterior)-white pine. Garage doors-sliding, Douglas fir.

PORCHES Brick floor—select common. Tile floor-12"x12" in service porch, Gladding, McBean & Co.

Libbey-Owens-Ford Glass Co.

EXTERIOR PAINT Shingles-dipped, Cabot. Trim Priming-lead and oil.) Dutch Boy, Finish coat-3 coats National lead and oil Lead Co. Sash-3 coats lead and oil, W. P. Fuller & Co.

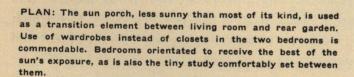
LATH AND PLASTERING Lathing-3.4 lb. %"x34" metal. Plastering-Blue Diamond patent plaster.

INTERIOR WOODWORK Trim-Douglas fir. Floors-1/2"x2" hardwood. Shelving and cabinets-white pine.

# WINCHTON RISLEY, ARCHITECT

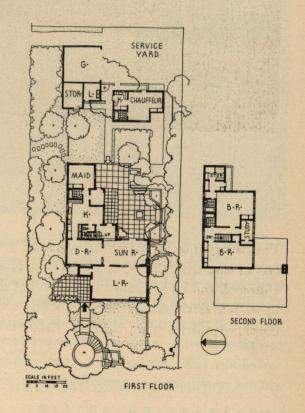


REAR GARDEN





SUN ROOM



### INSULATING

Under roof-5/8" Celotex.

### INTERIOR FINISHES

Floors—stain, 2 coats shellac, 2 coats Johnson's floor wax.

Trim Doors 4 coats lead and oil, W. P. Fuller & Co.

Walls and ceilings of baths, kitchen and service porch—3 coats lead and oil. Final coat Fuller's "Fullerglo." Balance of house given 2 coats "Permo."

### WIRING

Cable and switches-General Electric.

Electrical fixtures—brass and iron, specially designed.

LIGHTING Direct.

### PLUMBING

Kitchen

Sink—Crane Co.
Refrigerator—General Electric Co.

### BATHROOM

Fixtures—Crane Co.

Tile-Gladding, McBean & Co.

### PIPES

Wrought iron-A. M. Byers Co.

### HEATING

Gas—Payne hot air furnace. Hot water heater—Crane "Premier."

### CHIMNEY

Fireplaces

Facings Hearths brick.

Damper-H. W. Covert Co.

### HARDWARE

Interior and exterior—Russwin.

### SCREENS

In-vis-o Disappearing Roller Screen Co.

# 113. HOUSE FOR WILLIAM A. BULLIS, HOLMBY HILLS



An admirable solution of the difficult problem of the two-story porch; the use of light posts and correspondingly open ironwork make this porch appear as an important and distinct element of the composition, while on the street elevation it is sufficiently set back and shielded by trees to attain a measure of privacy. The use of plants to enhance the design, favored by the California climate, might well be emulated in other sections of the country. The patio is used to excellent advantage as an outdoor living space, and shelters on two sides provide shade as well as protection for furniture in inclement weather. The use of materials is varied and rich: clapboards, plaster, and cement tile, all light in color, provide an agreeable play of textures without producing a restless design. Cost: \$17,486.

### CONSTRUCTION OUTLINE

### FOUNDATION

Walls-concrete.

Cellar floor-concrete, cement finish. Waterproofing-Anti-Hydro.

### FRAME CONSTRUCTION

Douglas fir.

Sills-redwood

### EXTERIOR SURFACE

Front elevation veneered with "Graystone" concrete tile.

Clapboards-2nd story 1" x 10" shiplap. Vertical boards and battens-inside of

Sides and rear-cement plaster.

### ROOF

Wood shingles-red cedar.

Valleys

Gutters Flashing

galvanized iron, 24 gauge. Down spouts

Composition sheathing paper-15 lb. felt, one laver.

### DOOR AND WINDOW FRAMES

Double hung | sugar pine sash, Douglas fir frames.

Doors and frames (exterior)-sugar pine. Garage doors-Douglas fir, sliding.

### PORCHES

Floor-front porch and patio, common brick, basket weave.

### GLASS

All glazing double strength grade A clear window glass, Pittsburgh Plate Glass Co.

### EXTERIOR PAINT

Siding

Priming | lead, zinc, and oil, Job | Finish coat | mixed. Priming

Trim) finish coat, lead, zinc, and oil, Job Sash | mixed.

Exterior concrete tile and cement plaster 2 coats Lithide, Lithide Products Co.

### LATH AND PLASTERING

Lathing

Wood-Longbell No. 1 covered with 1" mesh 20 gauge galvanized wire.

### **Plastering**

Patent plaster-Gypsum Blue Diamond.

Finishing coat-smooth white putty

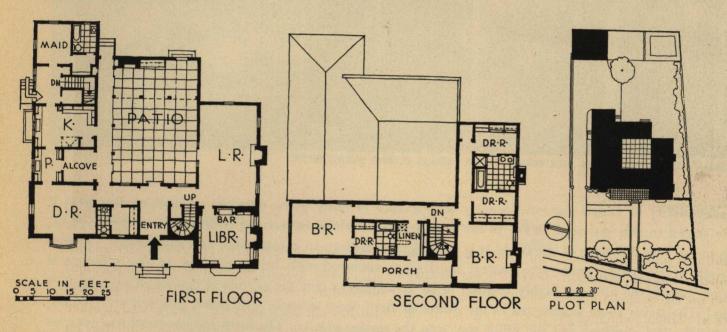
# CALIFORNIA, GORDON B. KAUFMANN, ARCHITECT



PATIO OR OUTDOOR LIVING SPACE



DINING ROOM



PLAN: Revolves about the enclosed patio which centers on the axis of the entrance and includes an open fireplace for barbecues. House set 50 feet back on a lot 100x190 feet. Access from patio to garden and truck garden beyond. Garage unattached. Note two dressing rooms flanking south bathroom.

### LANDSCAPE ARCHITECT, EDWARD HUNTSMAN TROUT

### INTERIOR WOODWORK

Trim-Douglas fir.

Floors-oak, plank and strip.

Library-knotty pine.

Shelving and cabinets-Douglas fir.

Millwork-to detail.

### INSULATING

Weatherstripping-exterior doors only, Monarch.

### INTERIOR FINISHES

Floors-stain, shellac and wax.

Trim

4-coat enamel.

Walls-Pequot sheeting.

Wallpaper-washable.

### WIRING

Electrical fixtures-special by B. B. Bell.

### LIGHTING

Direct.

### PLUMBING

Kitchen

Sink-2 compartment, colored.

Pantry

Sink Monel metal.

### BATHROOM

Bath tubs-recessed.

Toilets-syphon Jet, bowl and tank in one

piece.

Seats-Church Mfg. Co.

Tile-wainscot and shower, Gladding, McBean & Co., Los Angeles.

### PIPES

Steel-galvanized.

### HEATING

Gas-unit heaters in basement.

Hot water heater-60 gal. auto storage, Mission.

### CHIMNEY

Fireplaces and chimney of "Groutlock

Brick"-Simons Brick Co.

Facings-common brick, painted.

Hearths-common brick, oiled.

Mantels-wood.

Damper-Superior.

### HARDWARE

Interior-Russell & Erwin.

### SCREENS

Wood, bronze mesh.

### WINDOW DRESSING

Venetian blinds-Air Lite Mfg. Co.

# 114. HOUSE FOR L. D. JAMES, ST. LOUIS COUNTY



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

Piaget Photos

The adaptability of Dutch domestic country architecture to other places than its original environment is clearly shown in this instance. Dutch in the way it rambles along in seeming additions to a parent block, Dutch to the very bell-flare of the roofs, it is nevertheless modern in construction and equipment. The outside walls of the living room—the central block—are veneered with brick; the rest of the structure is shingled. Inside, the house is highly original in its arrangement, but the scheme is just as effective as it is unusual. The living room is accepted as the center of the house; as such, circulation goes one way from it into the sleeping quarters, and the other way into the service portion. The maid has her room and bath on the upper floor, where there is also a store room; these connect directly with the kitchen by a stairway. The kitchen shows an orderly array of modern equipment. Cost: \$18,200. Cubage: 59,164, at about 31 cents per cubic foot.

### CONSTRUCTION OUTLINE

FOUNDATION
Walls
Columns
Cellar floor

FRAME CONSTRUCTION
Yellow pine.

MASONRY CONSTRUCTION
Common brick walls—outside walls of
living room.

EXTERIOR SURFACE
Shingles—Edham Co.

ROOF
Wood shingles on shingle lath—Edham
Co.

Valleys
Gutters
Flashing
Down spouts

DOOR AND WINDOW FRAMES
Sash and frames
Double hung and casement type—
white pine.
Doors and frames
(exterior)
Garage doors

PORCHES
Brick floor.

EXTERIOR PAINT

Shingles

Dipped—1 coat.
Brush stained—1 coat.
Trim Sash Titanium oxide.

LATH AND PLASTERING
Lathing
Metal—all corners.
Wood—inside walls and ceilings.
Composition plaster base—outside walls.
Plastering—patent plaster.

INTERIOR WOODWORK

NTERIOR WOODWORK

Trim—mostly sap poplar.

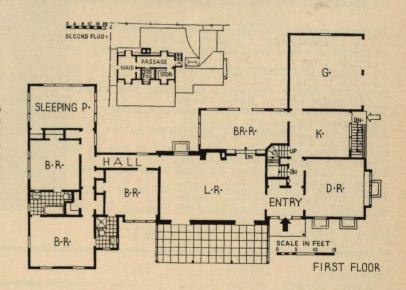
Floors—clear red oak.

# MISSOURI, BEVERLY T. NELSON, ARCHITECT



THE KITCHEN

PLAN: Considering the general excellence of plan, it seems unfortunate that no lavatory is available for visitors without passing through one of the bedrooms. A coat closet and lavatory have come to be almost inseparably associated. The bathroom between the two end bedrooms, entered from each, involves some cooperation between the occupants to avoid lockouts.



PIPES

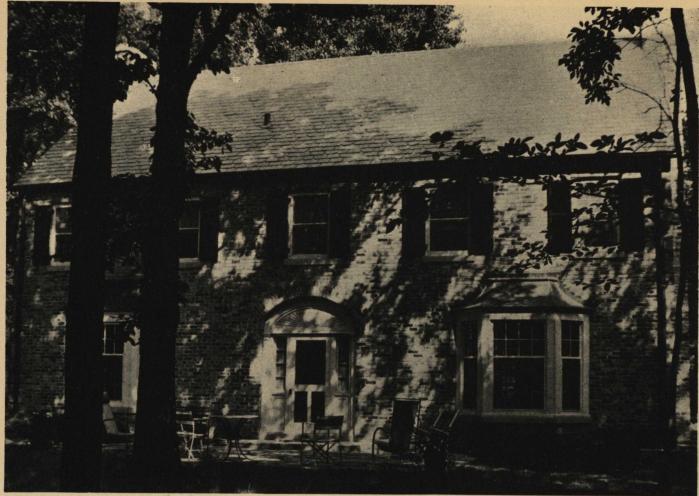
Stainwoods-paneling in breakfast room, wainscoting in dining room. INSULATING Outside walls-rock wool. Roof rafters-rock wool over developed portion of 2nd floor. Attic floor-rock wool. Weatherstripping. INTERIOR FINISHES Floors-stained and waxed. Trim -Doors enamel. Walls-oil paint in kitchen and baths. Wallpaper-balance of house except breakfast room.

WIRING Switches-General Electric. LIGHTING Direct. PLUMBING Kitchen Sink Cabinet Stove General Electric. Refrigerator Washing machine BATHROOM Fixtures-Standard Sanitary Mfg. Co.

Tile-rubber.

Reading Iron Co. HEATING Oil-forced air. Radiators-American Furnace Co. Hot water heater. CHIMNEY Fireplaces Facings | marble. Mantels-wood. Damper-Covert. HARDWARE Interior and exterior-polished bronze. SCREENS Copper.

# 115. HOUSE FOR JOHN DERN, GLENCOE, ILLINOIS



THE MORTGAGE ON THIS HOUSE HAS BEEN INSURED BY THE FEDERAL HOUSING ADMINISTRATION

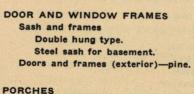
REAR GARDEN

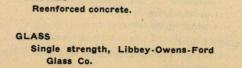
It is the fashion to be eclectic in derivations—even amongst ultra-modernists, though few of them care to admit it—and the fashion is praiseworthy, provided it is followed with common sense. In the matter of design, the treatment of this house is conservatively eclectic. The whole tone, of course, is purely Georgian but a felicitous blending has yielded a door and bay windows on the garden front in the Regency manner, while the entrance front and the pine-paneled walls of the living room recall a much earlier era. The random variations in the color of the brickwork are gratifying. Despite a popular obsession for cornices, the designer has put in another good Regency touch by omitting one, using only enough roof projection to shed rainwater from the walls. The kitchen entrance is not far from the front door, and approached by the main drive, it is so unobtrusively managed that no one could object to its being there. Cost: \$19,500. Cubage: 52,500 at 37 cents per cubic foot.

### CONSTRUCTION OUTLINE

# Walls Cellar floor Concrete. Waterproofing—tar on exterior of concrete walls. MASONRY CONSTRUCTION Exterior walls—common brick 12" thick. Hollow tile partitions, first floor. FLOOR CONSTRUCTION First and second floors are of "Lith-I-Bar" concrete Joists covered with 2½" of concrete. WOOD CONSTRUCTION Studding (2nd floor partitions)

# Slate on sheathing—commercial thickness. Valleys Gutters Flashing Down-spouts Sheet metal work—copper.





# EXTERIOR PAINT Trim Sash 3 coats lead and oil. LATH AND PLASTERING Lathing—metal. Plastering—3 coats, last coat smooth putty finish. INTERIOR WOODWORK Trim—pine. Floors—oak blocks cemented to concrete. Stainwoods—antique pine wainscot panel-

# INSULATING Attic floor—4" rock wool, Johns-Manville. Weatherstripping—zinc.

ing in living room.

Shelving and cabinets-pine.

Rafters

Bridging

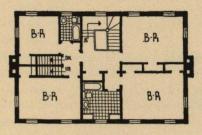
FOUNDATION

# CHESTER H. WALCOTT, ARCHITECT

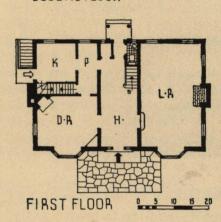




ENTRANCE AND FRONT OF HOUSE



SECOND FLOOR



PLAN: Follows the familiar plan-pattern of a central hall through the whole depth of the house, with approximately a quarter of the ground floor space assigned to the kitchen and pantry. The compact planning of the kitchen, pantry and backstairs is good, and the access from kitchen to dining room and front door is excellent. Closet arrangement between the bedrooms is also commendable.

### INTERIOR FINISHES

Floors-stain, shellac and 2 coats wax.

Trim
Doors prime and 3 coats, last coat enamel.

Walls-sized and painted 3 coats. Wallpaper-all bedrooms.

### WIRING

Cable-black enameled conduit. Electrical fixtures—special by Beardslee

Chandelier Mfg. Co. Switches-flip switches.

LIGHTING

Direct.

PLUMBING

Kitchen

Sink-enameled iron, Crane Co. Counter top-linoleum. Stove-gas.

Refrigerator-by owner.

THROOM

Bath tubs—enameled iron Crane Co. Tile-1" hexagon floors, 4" x 4" tile wainscot around tubs.

PIPES Steel.

### HEATING

Oil. Boilers—Ideal water tube
Radiators—convector type
Radiator Co. Piping-one pipe, high temperature hot water forced-flow system. Valves-American Radiator. Hot water heater-forced-flow. Thermostat and regulators-Minneapolis-Honeywell.

### AIR CONDITIONING

Central—convector radiators plus air ducts by American Radiator Co. No cooling other than passing air through cold water spray.

### CHIMNEYS

**Fireplaces** 

Facings white domestic marble and Hearths old Dutch tile.

### HARDWARE

Interior and exterior-brass and old iron finish by P. & F. Corbin.

Copper wire, wood frame.

### WINDOW DRESSING

Shades.

Exterior blinds.

# A LIST OF BOOKS ABOUT HOMEBUILDING

For the convenience of readers desirous of obtaining further information about the planning and building of a home, this list of representative books is appended.

- AMERICAN COUNTRY HOUSES OF TODAY, by Lewis Coffin. Architectural Book Publishing Co., New York, 1935.
- AMERICAN COUNTRY HOUSES OF TODAY, by R. W. Sexton. Architectural Book Publishing Co., New York, 1935.
- BOOK OF BUNGALOWS AND MODERN HOMES, by C. J. H. Keeley. Charles Scribner's Sons, New York, 1925.
- Building the Dutch Colonial House, by Aymar Embury, II. Robert M. McBride & Co., New York, 1929.
- COLONIAL ARCHITECTURE OF CAPE COD, NANTUCKET AND MARTHA'S VINEYARD, by A. E. Poor. William Helburn, Inc., New York, 1932.
- THE COLONIAL AND FEDERAL HOUSE, by Rexford Newcomb. J. B. Lippincott Co., Philadelphia, 1933.
- COLONIAL DUTCH HOUSES IN NEW JERSEY, by R. C. Ellis. Carteret Book Club, 15 Park Row, New York, 1933.
- COLONIAL HOUSES, by H. T. Child. Published by the author, 16 East 41st Street, New York. Rev. ed., 1936.
- COLONIAL HOUSES OF PHILADELPHIA, PRE-REVOLUTIONARY PERIOD, by P. B. Wallace. Architectural Book Publishing Co., New York, 1931.
- COUNTRY HOUSES, by Frank J. Forster. William Helburn, Inc., New York, 1931.
- Das Einfamilienhaus, by Alexander Klein. Julius Hoffman Verlag, Stuttgart, 1935.
- DOMESTIC COLONIAL ARCHITECTURE OF TIDEWATER, VIRGINIA, by J. A. Burrows and T. T. Waterman. Charles Scribner's Sons, New York, 1932.
- EARLY CONNECTICUT ARCHITECTURE, by John Frederick Kelly. William Helburn, Inc., New York, 1931.
- THE EARLY DOMESTIC ARCHITECTURE OF CONNECTICUT, by J. F. Kelly. Yale University Press, New Haven, 1933.
- ECONOMY IN HOUSE DESIGN, by E. Gunn. The Architectural Press, London, 1932.
- ENGLISH AND AMERICAN COLONIAL HOMES AND OTHER MEDIUM COST DWELLINGS, by Frederick H. Gowing. Published by the author, Boston, 1931.
- FACE BRICK HOMES IN 30 DESIGNS, Caspar, Krueger, Dory Co., Milwaukee, 1933.
- Five-Room Bungalows and Small House Plans. Caspar, Krueger, Dory Co., Milwaukee, 1935.
- GREAT GEORGIAN HOUSES OF AMERICA. Compiled and published by the Architects' Emergency Committee, 101 Park Avenue, New York, 1933.
- A HISTORY OF THE ENGLISH HOUSE, by Nathaniel Lloyd. William Helburn, Inc., New York, 1932.
- Home Architecture, by Rexford Newcomb and William Foster. Chapman & Holl, Ltd., London. John Wiley & Sons, Inc., New York, 1932.
- Home Design, Construction & Equipment, by Parker, Greensfelder and Bliss. Edited by Gries and Ford. The President's Conference on Home Building and Home Ownership, Washington, D. C., 1932.
- Homes of Our Ancestors, by R. Halsey and E. Tower. Doubleday, Doran & Co., New York, 1934.
- House and Home, by Greta Gray. J. B. Lippincott Co., Philadelphia, 1935.

- THE HOUSE FOR MODERN LIVING, by the Editors of The Architectural Forum. Harcourt, Brace & Co., N. Y., 1935.
- Houses in Southeastern Massachusetts, Architectural monograph of Aymar Embury, II. R. F. Whitehead, New York, 1928.
- Houses of Stone, by F. F. Peters. Published by the author, Westport, Conn., 1933.
- Houses Planned for Comfort, by G. Samson. Crosby Lockwood & Son, London, 1934.
- Interesting Small Homes. National Lumber Manufacturers' Association, Washington, D. C., 1935.
- Lost Examples of Colonial Architecture, by John Mead Howells. William Helburn, Inc., New York, 1932.
- MEDITERRANEAN DOMESTIC ARCHITECTURE IN THE U. S., by Rexford Newcomb. J. H. Jansen, Cleveland, 1931.
- THE MODERN HOUSE, by F. R. S. Yorke. The Architectural Press, London, 1934.
- ONE HUNDRED NEW HOMES, by R. C. Hunter. Published by the author, New York, 1931.
- PLANNING FOR SUNSHINE AND FRESH AIR, by Alfred Hopkins. Architectural Book Publishing Co., N. Y., 1931.
- PORTRAITS OF TEN COUNTRY HOUSES, by Delano and Aldrich. William Helburn, Inc., New York, 1930.
- REMODELING AND ADAPTING THE SMALL HOUSE, by H. D. Eberlein and D. G. Tarpley. J. B. Lippincott Co., Philadelphia, 1933.
- ROOFTREES, by Philip Lippincott Goodwin. J. B. Lippincott Co., Philadelphia, 1933.
- SMALL COLONIAL HOUSES, by Peter A. Pundar. R. F. Whitehead, New York, 1931.
- Small Country Houses, by L. Weaver. Country Life, New York, 1935.
- SMALL Homes of Architectural Distinction, by Robert T. Jones. Harper & Bros., New York, 1929.
- A SMALL HOUSE IN THE SUN, by Samuel Chamberlain. Hastings House, New York, 1936.
- SMALL HOUSES AND BUNGALOWS, by Frederick Chatterton. Architectural Press, London, 1932.
- SMALL STONE HOUSES OF THE COTSWOLD DISTRICT, by E. A. Ruggles. J. H. Jansen, Cleveland, 1931.
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